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This is an attempt to list all open source projects relating to RIT.
The majority of this list consists of projects that are outdated or no longer maintained, may not be well documented, or may not be accepting public contributions.

Please ask if you're looking for something specific

University open source software

Software developed by a department or something within the university.

Reporter (student magazine)

<https://github.com/reporter-magazine>

Student Government

PawPrints: <https://github.com/ritstudentgovernment/PawPrints/>

Naps.rit.edu: <https://github.com/ritstudentgovernment/Atlas/>

OpenEvals: <https://github.com/ritstudentgovernment/evals>

Legacy SG stuff

<https://github.com/ithunt/asksg>

TigerLaundry: <https://github.com/ritstudentgovernment/TigerLaundry>

OPEN@RIT

<https://openr.it/contribute>

<https://openworkdefinition.com/> the definition of "Open Work" - an all-encompassing framework to discuss all aspects of open work, from software to hardware to science, research and data etc. Conversation Starter.

Mystic - a community health analytics platform:

<https://opensource.com/article/21/9/openrit-mystic>

Departments

GCCIS <https://github.com/GCCIS>

- <https://github.com/GCCIS/Lab-Display>
- <https://github.com/GCCIS/Lab-Website>

<https://github.com/SoftwareDesignLab>

RIT CSC: <https://github.com/rit-csc>

<https://github.com/RITAccess>

<https://github.com/rit-access-services>

<https://github.com/MAD-NTID>

SE: <https://github.com/RIT-Software-Engineering>

CSEC

<https://github.com/RIT-GCI-CyberRange/>

IST

Research computing

<https://github.com/RIT-RC> (they run mirrors.rit.edu)

<https://github.com/ionutnechita/datadrake-cluster-tools>

CAD

<https://github.com/abstractionhq/gallery-gateway>

Club-made open source software

Software developed by a student organization or club at RIT

Athletics Teams

<https://github.com/RIT-Rowing>

The Construct

RIT's student makerspace (at least before they relocated to SHED and got renamed or whatever)

<https://github.com/TheConstructRIT>

Another, possibly newer account: <https://github.com/rit-construct-makerspace>
<https://github.com/rit-construct-makerspace/access-control-hardware>
<https://github.com/rit-construct-makerspace/makerspace>

CSH

Talks

Major Projects

“Major projects” are a membership requirement for being part of CSH where members must create or make substantial progress on one major project each year/semester. These are often kept internal but sometimes they are published.

<https://medium.com/ritcsh/projects/home>

Public

Some of CSH's services are publicly usable and valued by the RIT community

<https://github.com/ComputerScienceHouse/> (general GH org)

<https://github.com/ComputerScienceHouse/haddock> (password generator)

<https://github.com/mbillow/oncall-calendar-slack>

<https://tunnelvision.csh.rit.edu/> RIT Tunnel Mapping Project

<https://github.com/klauscurde/ritlinks>

ScheduleMaker

2024-

<https://github.com/jabbate19/schedulemaker2>

Backend rewrite WIP: <https://github.com/Sam-Cordry/rit-sis-parser>

Frontend rewrite WIP: <https://github.com/Sam-Cordry/schedulemaker-react>

2019?-2024

<https://github.com/ComputerScienceHouse/schedulemaker> (schedule generator for classes at RIT)

<https://github.com/soduko/schedulemaker/wiki> - someone elses old, probably not useful GH wiki that tries to document how schedulemaker works

2013

<https://github.com/benrr101/schedulemaker>

2011 (incomplete)

<https://github.com/ComputerScienceHouse/schedulemaker2>

Legacy Project (archive from 2001)

<https://github.com/gregbender/ritschedulemaker>

Addons to SM:

<https://github.com/kchimbo/schedulemakerplus>

Semi-Public

These are apps that could be useful externally if they are modified to remove dependencies on house services.

<https://github.com/ComputerScienceHouse/csh-rideboard> (a carpool-coordination app for group events)

<https://github.com/bgrawi/Quorum> - 11 years old, may or may not depend on house services

Internal

You can basically ignore this section, it serves to document the somewhat scattershot groupings of repos for other csh house services that I remember. These projects depend so much on house services that they probably aren't worth looking at unless you are a CSHer. I need to move it elsewhere but am too lazy to right now

Drink/Snack

<https://github.com/zthart/mizu> (related to drink/snack, a CSH service powering their vending machines)

<https://github.com/Lontronix/Drink-iOS>

In the News

https://twitter.com/CSH_History/status/827187596954566656

(<https://mashable.com/article/htc-vive-hololens-mixed-reality-experiment#51HNNQPua05p>)

https://twitter.com/CSH_HISTORY/

Misc and Legacy stuff

<https://github.com/aidan-brown/Charity-Stream-Web-App>

<https://github.com/jeid64/CSHPublicSite>

<https://github.com/crawford/gatekeeper>

<https://github.com/ajgajg1134/RITFoodDataAnalysis>

<https://github.com/liam-middlebrook/missing-license>

<https://github.com/ehouse/PID>

<https://github.com/TalCohen/CSHWebPacket>

<https://github.com/danw/drink>

<https://github.com/brandonhudson/CSHAssets/issues/3>

<https://github.com/mbillow/oncall-calendar-slack>

<https://github.com/sherrardTr4129/CSH-Print-Profiles>

<https://github.com/grahams/drink> (code from pre-2000s revamp of drink)

<https://slate.csh.rit.edu/> seems to be referenced in [places](#) but no source code is public

<https://github.com/sman591/csh-drink-ios>

<https://github.com/zedoax/ranker>

<https://github.com/zthart/mizu>

<https://github.com/RamZallan/csh-map>

<https://github.com/WillNilges/srvrs>

<https://github.com/sdemos/whatsopen>

<https://github.com/Cbturtle2/cshpay>

<https://github.com/maxwofford/csh-freshman-packet-status>

<https://github.com/wlyons04/VerticalPong>

<https://github.com/SlatteryChase/AudioVisualizer>

RITLUG

<https://github.com/RITlug/teleirc> - an IRC-telegram bridge thats extensively used by RitLUG and also probably some parts of other projects by RIT Alumni from the time of its creation

RIT Linux Wiki

- **Project summary:** a wiki for RIT students created by the Linux Users Group, most notable for containing guides on connecting to Eduroam with different linux clients
- **Primary Tech used** (optional): markdown and jekyll
- **Repository url** (Github or gitlab): <https://github.com/ritlug/wiki>
- **Project website** (if applicable): <https://wiki.ritlug.com>
- **Active Maintainer info** (name and contact info): Adrian Edwards ace4971@rit.edu or RITLUG eboard.
- **Types of contributions desired:** any content updates or fixes would be nice. I am working on some additional clarifications to the main page to provide more information

on what the Securew2 client actually is to help dispel some confusion that has been going around about it being spyware or whatever. There's probably not much to contribute to overall unless you are interested in adding new content or finding mistakes/typos/places to clarify existing content

- <https://github.com/RITlug/wiki/issues/16>
- <https://github.com/RITlug/wiki/issues/17>
- <https://github.com/RITlug/wiki/issues/14>

Talks

- XDP
<https://ritlug.com/talks/2023/04/07/w12-xdp-and-linux-networking/>
<https://github.com/ryan77627/xdp-packet-dropper>
-

Other Clubs

RIT SPEX

<https://github.com/rit-spex>

RIT EGS

<https://github.com/egsrit>

RIT AI

<https://github.com/rit-ai>

<https://github.com/rit-ai/RITFreePizza>

WITR

<https://github.com/maxkelley/witr-event-music-sync>

RIT Data Science and Engineering Club

<https://github.com/RITDSE>

Electric Vehicle Team

<https://github.com/RIT-EVT>

RIT Formula SAE

<https://github.com/RITRacingSoftware>

SSE

<https://github.com/rit-sse>

<https://github.com/rit-sse/Voxel-Display>

SSE (Legacy)

<https://github.com/rit-sse-mycroft/core>

Was meant to be transferred to SSE org: <https://github.com/stevebrun/BetterBuses>

Theme Park Enthusiasts

<https://github.com/msweet168/rittpe>

RIT Game Dev Club

<https://github.com/RITGameDev>

Women In Computing

<https://github.com/Women-in-Computing-at-RIT>

<https://github.com/WICRIT>

<https://github.com/Women-in-Computing-at-RIT/WiCWebsite>

<https://github.com/Women-in-Computing-at-RIT/WiCWebsite2017>

Legacy WIC site

<https://github.com/MaggieAHewitt/WicWebsiteV2>

RIT pep band

<https://github.com/rit-pepband>

BTP/FMA

<https://github.com/RIT-BTP/FMA-Website/issues/14>

<https://github.com/LukeHorigan/Financial-Management-Association->

HAB/Hot air Balloon

https://github.com/rounaksingh/rit_hab_mission_status

MDRC

<https://github.com/RIT-MDRC>

HvZ

<https://github.com/redxdev/hvzsite>

<https://github.com/asimonson1125/HvZ-Bot>

RITSEC

<https://github.com/RITSEC>

<https://github.com/ritsec/constitution>

<https://github.com/ritsec/ritsec.github.io>

<https://github.com/d3adzo/ritsec.github.io>

<https://github.com/nationalcptc-teamtools/Rochester-Institute-of-Technology>

<https://github.com/nationalcptc-teamtools/Rochester-Institute-of-Technology-Dubai>

<https://github.com/Sc0ne/ists2023>

WiCyS (under RITSEC)

<https://wicysrit.org/>

Next Hop

<https://github.com/RITnextHop>

<https://github.com/RITnextHop/website2.0>

Defunct clubs

RITCraft (now retired minecraft server): <https://github.com/RITcraft>

RITSTAR club: <https://github.com/RITSTARClub>

Tech club: <https://github.com/techclubrit/cal>

Vietnamese student association <https://github.com/rit-vsa>

Misc

<https://github.com/JLiu1272/TEDxRIT/>

<https://github.com/mateomb/rit-cage-inventory>

Archery club <https://github.com/RITMechArch/MechArch>

Sailing: <https://github.com/rit-sailing/website>

<https://github.com/newmediacub/newmediacub-site>
<https://github.com/dorritydj/RITImprov>
<https://github.com/roctaiko/WadaikoSite>
<https://github.com/brick-city-boppers/brick-city-boppers.github.io>

Blockchain technology club: <https://github.com/btcrit/Constitution>

Blockchain club: <https://github.com/RITBlockchainClub/RitCoin-legacy>

Quiz Bowl Club: <https://github.com/brianbullis/QuizBowlScorer>

Astro Club:

- <https://github.com/akhilmhdh/AstroRIT>
- <https://github.com/jeremiahmanuel/astrorit.github.io>
-

RIT Community

Miscellaneous software made by RIT students primarily for the RIT community but outside of a club or other official thing

RIT student resource search tool - <https://github.com/KaiSereni/TigerSource>

Astrodance Performance

<https://www.cs.rit.edu/~jmg/Astrodance/index2.html>

https://cxm3593.github.io/CSCI799_IndependentStudy_WebXR/

Python API wrapper for the pawprints API: <https://github.com/MoralCode/pawprints-api/>

<https://github.com/Carter4242/Pawprints-Tracker>

<https://github.com/PencilFoxStudios/RIT.ts> API.rit.edu Typescript wrapper

<https://www.furrit.us/> (<https://git.furrit.us/>)

<https://github.com/rit-ai/RITFreePizza>

Busses

<https://github.com/hiromon0125/ritchie-bus-schedule>

<https://github.com/hiromon0125/rit-schedule-scraper> (specifically for scraping csv)

<https://github.com/hiromon0125/rit-service-info-scraper> (this one is specifically made to be hosted on the cloud like cloudflare)

Carlos is an urbanism club member

<https://github.com/cbindev/whenbus>

<https://github.com/cbindev/businfo>

<https://github.com/topics/rochester-institute-of-technology> generally interesting Github topic search

- <https://github.com/dmb4086/RIT-API-Project>
- <https://github.com/Dcruzships/Map-of-Mt-Hope-Cemetary>

COVID

<https://ritcovidashboard.com/>

<https://github.com/galenguier/rit-covid-dashboard>

- https://www.reddit.com/r/rit/comments/l2ykby/with_the_semester_about_to_start_a_reminder_about/
- https://www.reddit.com/r/rit/comments/l9pyt7/a_couple_more_updates_on_the_unofficial_covid/
-

MyCourses

<https://github.com/zszafran/MyCourses-Scraper>

<https://github.com/MatthewGalan/mycourses-plus>

- https://www.reddit.com/r/rit/comments/jshjq4/mycourses_plus_is_a_wip_open_source_browser/
-

Maps

<https://github.com/jspann/MapAPI>

- https://www.reddit.com/r/rit/comments/3hrjj6/i_made_an_rit_map_api_still_in_beta/

Some RIT maps history:

- It was modeled after a 2017 student capstone project (see: <https://www.rit.edu/its/map>)
- <https://www.jamusandrest.com/venu>
- No code known to exist publicly

FOSS @ RIT Community

<https://github.com/FOSSRIT>

<https://github.com/librecorps>

FOSSBOX

<https://github.com/mansam/fossbox>

<https://github.com/eartsar/FOSSTimeline>

Particularly Famous Examples

<https://github.com/jlamere/twivo>

- <https://tech.slashdot.org/story/13/05/11/177201/17-year-old-girl-wins-boston-tv-api-programming-contest>

Jquery (John Resig)

Other Bots

IRC: <https://github.com/xforever1313/Chaskis>

Discord Bots

Discord alt text bot: <https://github.com/9vult/Raiha>

Discord food integration and other stuff: <https://github.com/Chris-Bitler/RIT-HAL>

RITSEC Ops bot 3: <https://github.com/ritsec/ops-bot-iii>

Discord moderation info: <https://github.com/natep-tech/DiscordAutoMod>

PawPrints notification bot: <https://github.com/MoralCode/pawprints-notify>

<https://github.com/gidoBOSSftw5731/discord-email-validator>

<https://github.com/RITlug/emailbot>

<https://github.com/brainuser5705/tiger-bot>

Lore

<https://github.com/grahams/hellskitchen-dot-org>

Misc or Student Personal Projects

<https://github.com/ArgentumRhodon/then-to-meet>

<https://github.com/mufasa159/rit-dining> - Visiting Chef website

Rate My Professors extension:

<https://github.com/CalvinWu4/RIT-Rate-My-Professors-Extension>

<https://github.com/asimonson1125/hotspotsRIT>

<https://github.com/CampusPulse/>

<https://github.com/craigcabrey/ratemycoop>

<https://github.com/KevinMGranger/rmwad-project2> - a social directory for accepted students

WITRapp (firefoxOS plugin for WITR streaming): <https://github.com/snoozan/WITRapp>

<https://github.com/jefhai/ListSongsWITR>

<https://github.com/volfco/MyCoursesDownloader>

Scraper to see what dining locations were open: <https://github.com/nickmccurdy/open-at-rit>

<https://github.com/saurabhmehta04/webScraper>

???: <https://github.com/Omodi/TreasureHunt> (<https://github.com/Omodi/TreasureHunt/issues/3>)
<https://github.com/alex-taffe/Dining-Tracker>

<https://github.com/0xcaff/transloc-action>
<https://github.com/sangul08/CareerFair>
https://github.com/EricFalkenberg/grader_tools

<https://github.com/devinmatte/RIT-Assistant>
https://github.com/rounaksingh/rit_hab_mission_status

<https://github.com/Historic-RIT-RAMI-campus/historic-campus>

<https://github.com/jmaggio14/hyperloop-website-reboot>
<https://github.com/donmorton/RITBusStatus>

DNS/domains

<https://github.com/agski331/DDNSRit>

NetNutrition Scraping tool: <https://github.com/MoralCode/newtrition/>

GlassDoor browser extension: <https://github.com/CalvinWu4/inDoors>

Any School Rate My Professors extension:

<https://github.com/CalvinWu4/Any-School-Rate-My-Professors-Extension>

<https://github.com/erwijet/tigerwatch> - balance tracker

<https://github.com/solb/bigify>

Hackathons, Game Jams, Competitions etc

Brickhack

(<https://github.com/codeRIT>)

Management

<https://github.com/codeRIT/hackathon-manager>

Hackathons

- 2 (2016): <https://www.hackerearth.com/challenges/hackathon/brickhack-ii/>
- 3: <https://brickhack3.devpost.com/project-gallery>
- 4: <https://brickhack4.devpost.com/project-gallery>
- 6: <https://brickhack6.devpost.com/project-gallery>
- 7: <https://brickhack7.devpost.com/project-gallery>
- 8: <https://brickhack8.devpost.com/project-gallery>
- 9: <https://brickhack9.devpost.com/project-gallery>
- 10: <https://brickhack-x.devpost.com/project-gallery>
- 11: <https://brickhack11.devpost.com/project-gallery>

BrickHack 9 projects

WordLink game:

- <https://devpost.com/software/wordlink>
- <https://github.com/Marinara-Sauce/WordLink>

StayWarm: <https://devpost.com/software/staywarm>

Misc Brickhack Projects

<https://github.com/caseyj/BrickHacks2016>

WiCHacks

- 2017: <https://wichacks2017.devpost.com/>
- 2018: <https://wichacks2018.devpost.com/>
- 2019: <https://wichacks2019.devpost.com/>
- 2020: <https://wichacks2020.devpost.com/>
- 2021: <https://wichacks-2021.devpost.com/>
- 2022: <https://wichacks-2022.devpost.com/>
- 2023: <https://wichacks-23.devpost.com/project-gallery>
- 2024: <https://wichacks-24.devpost.com/>
- 2025: <https://wichacks-25.devpost.com/>

Misc WicHacks Projects

Talks

<https://github.com/ldeveber/wic-hacks>

Game Dev Club Game Jam

Halloween Jam 2021: <https://itch.io/jam/rit-game-dev-club->

2022: <https://itch.io/jam/rit-game-developers-club-spring-2022-game-jam>

2023: <https://itch.io/jam/rit-game-developers-club-spring-2023-game-jam>

CSHacks

<https://github.com/ComputerScienceHouse/bingehack4>

<https://hacks.csh.rit.edu/>

2023: <https://cshacks.devpost.com/project-gallery>

HACK.COMS (previously known as The Tiger Games hackathon)

1st, April 2023, <https://the-tiger-games.devpost.com/project-gallery>

2nd, Nov 2023: <https://the-tiger-games-2.devpost.com/project-gallery>

<https://hack-coms-24.devpost.com/>

FOSS@RIT Election Night Hackathon

These were among some of the first hackathons on campus at RIT

<https://www.hackathon.com/event/7th-annual-election-night-hackathon-38942421832>

<https://www.hackathon.com/event/8th-annual-election-night-hackathon---2018-midterms-51634099983>

<https://www.hackathon.com/event/fossmagic-election-night-hackathon---100th-anniversary-of-womens-suffrage-79374660747>

Other Hackathon things

<https://github.com/decause/AGRITHack>

<https://github.com/DakotaHerold/FindTheKindJam2018>

<https://github.com/ashton-rebello/adaptiive-gripper>

<https://github.com/bobschrivier/Jame-Gam>

Academic/Research

These are essentially research or senior design/capstone projects that may likely be open source due to their research nature, but may or may not be

<https://github.com/aiforsec>

Clubs

<https://github.com/rit-sse/openbci> - <https://openbci.com/>

Departments

<https://github.com/RIT-MAGIC>

CS Dept internal tools and scripts

<https://forums.opensuse.org/t/gmake-makefile-not-working/78191/3>

<http://www.cs.rit.edu/~swm/makemake/> 9

<https://github.com/noahrichards/util>

Professor Research/Projects (External)

<https://vulnerabilityhistory.org> - Dr. Meneely (sp) is involved in this

<https://deafworldaroundyou.org/About> SJ and Dr Chris Kurz are involved in this

<https://softwareheritage.org/> - SJ is involved in this

<https://o3d.foundation/> - SJ is a founding member

<https://penpot.app/> - Sponsored by MAGIC or something

<https://www.rit.edu/magic/recently-released-crazy-platez> (MAGIC sponsored arcade game - may not be FOSS)

Also That Damn Goat!

<https://www.arkheproject.org/> - [Travis Sodter](#) is working on this

<https://fossda.org/> - Some OPEN@RIT people are involved in this (like Chris Baker) - unsure if they need help or have successfully had a student get co op credit for working on it

<https://defake.app/about>

Research Groups

RIT official lists:

- <https://www.rit.edu/research#centers-and-institutes>
-

Research groups discovered with potential FOSS:

- NXT (Neurotechnology Research Team)
 - <https://github.com/NXT-RIT-Open-Source>
 - <https://www.nxtr.org>
 -
- Accessible Learning Labs: <https://github.com/all-rit> (<https://github.com/all-rit/ALL/issues/176>)
- Document and Pattern Recognition Lab: <https://github.com/DPRL>
- Lab of Human-In-the-Loop Software Engineering at RIT: <https://github.com/hil-se>
- Laboratory for Environmental Computing and Decision Making: <https://github.com/RIT-LECDM>
- Software Maintenance and Intelligent Evolution (SMILE) Research Group: <https://github.com/smilevo/smilevo.github.io>
- CAIR (Center for Accessibility and Inclusive Research): <http://cair.rit.edu/projects.html>
- Mohapatra Research Group <https://www.rit.edu/science/mohapatra-research-group> (<https://github.com/Mohapatra-Research-Team>)
- <https://github.com/ntid-cat>
-

Capstone

<https://www.rit.edu/computing/previous-projects-semester>

Online Voting Scheme Using IBM Cloud-Based Hyperledger Fabric with Privacy-Preservation

- *Co author later became an RIT student*

- <https://github.com/CelticLite/OnlineVote>
- <https://www.mdpi.com/2076-3417/13/13/7905>

<https://github.com/cble-platform/cble>

DHSS/HCD

ROC Subway

Current HCD capstone project

<https://rocsbway.cad.rit.edu/>

<https://subway-chi.vercel.app/>

<https://github.com/JCL-Subway/>

<https://github.com/JCL-Subway/Graffiti-Subway-Website>

Flower City Sound

<https://github.com/ElliotLurie/flower-city-sound>

Misc

<https://github.com/kbryant25/kbryant-RIT-Capstone>

Theses

Masters

DroidWatch masters thesis: <https://github.com/jgrover/DroidWatch>

RLES:

- <https://www.reddit.com/r/rit/comments/180r5pd/comment/kacxxpy/>
- “as developed as a Masters research project years ago. It’s used by CSEC and IT students. If you want to know more, you should talk to Professor Charles Border, he was the mentor for the project.”
-

unknown/needs sorting

<https://github.com/connorjan/llvm-cjg>

Independent Study

<https://github.com/BeauMarwaha/IslandAR>

<https://github.com/BeauMarwaha/MeteorVR>

<https://github.com/hiteshvaidya/Lifelong-learning-neural-models-for-streaming-classification>

Senior Design/MSD/Capstone projects/Student Projects

RIT Libraries does support deposit of student projects and capstones in our institutional repository, RIT Scholar Works (<https://scholarworks.rit.edu/studentschol/>) (mostly archives of static documents). - source: OPEN@RIT slack

SE senior projects listing: <https://seniorproject.se.rit.edu/projects>

KGCOE senior projects (may not be much software):

<https://www.rit.edu/engineering/seniordesign/projects>

ripple.cias.rit.edu <https://github.com/Galacticod/official-site>

- <https://github.com/theilsanne/Niyama>

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<https://www.rit.edu/imagine/exhibits/shed-access-control-system>

Imagine RIT in general probably has a ton of these: <https://www.rit.edu/imagine/>

Co op evaluation tool: <https://www.se.rit.edu/~digeval/> (no source it seems)

- https://www.reddit.com/r/rit/comments/19w1zf/new_coop_evaluation_system/
- Old version of something... <https://elsya.com/rit-career-services-report-your-co-op> looks suspiciously similar to the current <https://coopeval.rit.edu/coopEval/login>

-

- <https://github.com/ClearGauntlets/cleargauntlets.github.io>

- <https://github.com/dmitchellspace/bad-habips>

- <https://github.com/sudheeksha/Using-Food-for-Data-Science-Instruction>

-

Undergrad classes

Coursework is excluded from this category/document both to prevent cheating and also because theres just so freaking much of it that it would take a lot of time to organize by hand. One way to find these might be to automate the process of searching github for every individual course code (i.e. SWEN261/SWEN-261/SWEN 261) to grab the lowest hanging fruit.

Alternative ways to automate: search for RIT, course codes, rit's username format, crawling CS.rit.edu user domain space

HFOSS

<https://github.com/FOSSRIT/foss-minor/issues/12>

<https://hfooss2021.cad.rit.edu/> (website no longer up, no known archives exist)

<https://web.archive.org/web/20230601020625/https://hfooss2022.cad.rit.edu/wordpress/>

<https://hfooss2023.cad.rit.edu/> - account created?

<https://hfooss2024.cad.rit.edu/> - 404

<https://web.archive.org/web/20220519123703/https://people.rit.edu/djaigm/planet/hfooss/>

<https://igme599.wordpress.com/>

Project in FOSS

<https://fossproject23.cad.rit.edu/>

IGME

Sources:

- <https://github.com/search?q=IGME&type=users&p=4>
- Links from HFOSS curriculum for learning Git

<https://github.com/IGME-202-17S2/Syllabus>

<https://github.com/PaulSolt/IGME-340-2018-Spring>

<https://github.com/IGME>

<https://github.com/IGME-RIT>

<https://github.com/IGME-202-2221>

<https://github.com/IGME-202>

<https://github.com/IGME-202-17F6>

<https://github.com/IGME-430>
<https://github.com/IGME-202-2211>
<https://github.com/IGME320>
<https://github.com/IGME-202-2215> (?)
<https://github.com/IGME309>
<https://github.com/IGME-209>
<https://github.com/IGME106>

<https://github.com/LawleyFall2017/>
<https://github.com/LawleyFall2018/>
<https://github.com/LawleyFall2019/>

https://igm.rit.edu/~acjvks/courses/2013_Fall/590/students.html

CS

<https://github.com/ducphanduyagentp/CSCI-141>
<https://github.com/2191-CSEC465-Group6>

SWEN

<https://www.se.rit.edu/~swen-331/activities/webapps/>

CSEC

<https://github.com/2191-CSEC465-Group6>

NSSA

IST

ISTE340?

I suspect a lot of these websites might be for a class project

https://github.com/pranitmeher/IST_Website
<https://github.com/sangul08/Information-Sciences-and-Technologies---Department-Website>
<https://github.com/avdigi/RIT-Department-Page>
https://github.com/siddharhtarey/ist_replica_website
<https://github.com/harishalagesan/IST-website-of-RIT-through-a-windows-form-application>

Crypto

<https://github.com/MoralCode/ruffle-aes-animation>

Grad classes

CSCI-631 Foundations of computer vision (Lange)

Theres some custom autograder stuff to add images to the output (currently not supported by gradescope):

https://github.com/wrongu/gradescope-utils/blob/master/gradescope_utils/autograder_utils/output_format.py

CSCI-716 Computational Geometry

Example project ideas provided for the final project. These were provided to the class when the project was assigned, so their inclusion in this list does not meaningfully increase the odds of cheating. These examples are limited to ones that contain evidence that they more likely than not came from RIT sources (such as an RIT domain name, or the presence of phrases like “RIT” or the course code in their git repositories):

Original source: <https://mycourses.rit.edu/d2l/le/content/1043425/viewContent/9400784/View>

Professor: Reynold Bailey rjbvcs@rit.edu

Category 1: Pedagogical Aids

<https://people.rit.edu/~dmb3440/compgeo.html>

<https://cs.rit.edu/~cmc2246/dac/>

<https://mrm8391.github.io/esf/>

Category 2: Work on Open Problems in the Field

Category 3: Applications of Computational Geometry in other fields

<https://people.rit.edu/wtc9653/Blobs/Blobs.html>

<https://github.com/CJT-Jackton/SmashTheGlass>

<https://github.com/Ciccio99/ARco>

Misc:

<https://cs.rit.edu/~ml3406/CSCI716/Final%20Project.html>

https://cs.rit.edu/~sb8392/Computational_Geometry/Project_Description_Website/

unsorted/misc

http://vhost3.cs.rit.edu/project_web_page/index.html Service Oriented Computing examples and teaching materials - has several github links on it.

<http://spiff.rit.edu/classes/phys445/lectures/iceberg1a/maclab.html>
<http://spiff.rit.edu/classes/>

<https://github.com/jallen2/Research-Trend>

Wishful FOSS

<https://github.com/N-ickMorris/Wallace-Library-Renovations>

Other

https://github.com/ad4529/convex_object_detection

<https://github.com/AayushKrChaudhary/RITnet>
<https://github.com/hil-se/SPORC>
<https://github.com/matanlurey/gba.dart/issues/1>
<https://github.com/Omodi/TreasureHunt/issues/30>
<https://github.com/mxs3419/WebAppProject>
<https://github.com/moltime/moltime-frontend/issues/38>
<https://github.com/samshiffman321/356Password/issues/1>
<https://github.com/connorjan/llvm-cjg>

<https://github.com/decause/ritgradscitechpolsem-nys-foss-bills> (remys paper or something)
<https://github.com/michaelyin/crohmelib>
<https://github.com/stanieldev/Simulation-Physics-Droplet>

<https://github.com/RyanPMcLaughlin/EnergyManagementSystemDocumentation>

Idk if this is related to RIT but seems like it: <https://github.com/DCS-LCSR/ASL-DAI/issues/241>

Startups

Business/commercially-oriented projects from the RIT community, often originating from the Simone Center, or other RIT entrepreneurship programs. Often VC funded.

Amici - the friend-finding app: <https://github.com/Hangout-App>

People

Professors or other key people at RIT who are likely to be posting course materials on github

Sources:

- <https://github.com/search?q=rochester+institute+of+technology+professor&type=users>
- searching for repos/orgs names containing "IGME"

Professors

John-Paul Takats

<https://www.jptweb.com/>

<https://www.feedmasher.org/> - RIT news aggregator

<https://www.jptweb.com/igm/demo/>

IGME

<https://github.com/dccircuit>

<https://github.com/tonethar>

<https://github.com/labigm/IGME309>

<https://github.com/PaulSolt/IGME-340-2018-Spring>

<https://github.com/decause/bizlegfoss>

CE

<https://github.com/mzuzak>

CS

<https://github.com/MatthewFluet>

<https://github.com/michaelmior>

<https://github.com/rkostin>

<https://github.com/yqv3nj5>

SE

<https://github.com/andymeneely>

<https://github.com/mkaouer>

<https://github.com/BryanBashamRIT>

Math

<https://github.com/tonyewong>

Engineering

<https://github.com/AleksandarHaber>

Imaging Science

<https://github.com/dimahdera>

GDD

<https://github.com/dwsimkins>

CAD (art and design)

<https://github.com/gdjfaa>

Former students

 3D Object Manipulation in a Single Photograph using Stock 3D Models: Full Length Video

<https://www.linkedin.com/in/sajingeo/>

- Built RFID Entry System for makerspace in 2013: Lowell Makes, using ID-12LA, the system checks a CSV database for the rooms/ machines a user has access to.
-
- <https://web.archive.org/web/20131206053500/http://lowellmakes-opening.challengepost.com/submissions/18357-rfid-entry-system>
-

<https://github.com/jibby0/lan-jukebox>

Data Sources

Official data made available from the university - and related stuff

See  RIT API Megalist (requires RIT auth)

Open, Student-used, External

Software that carries a minimally open/source available license that RIT Students choose to use independently of RIT.

Some students seem to use Anki as a flashcard/memorization tool, like quizlet but FOSS:

<https://apps.ankiweb.net/>

Open source Research assistant: <https://www.zotero.org/>

Also power planner for scheduling

<https://github.com/powerplanner/powerplannerapps>

Virtual fisher discord bot: <https://github.com/thejoabo/autofishbot> (used by maincord)

<https://github.com/MoralCode/BingoGenerator/> - a Bingo board generator developed for purposes unrelated to RIT, but has since been re-used for vaguely RIT related things (vegan club bingo, conversation starter bingo)

Official, External Software

Software that carries a minimally open/source available license that RIT currently uses for various purposes in an official capacity.

<https://archivesspace.org/application/demo> - FOSS, used by <https://archivesspace.rit.edu/>

Sympa (<https://www.sympa.community/>) is open source GPL2 licensed mailing list management software that appears to be behind <https://ritmail.rit.edu/sympa>. It seems unlikely that anyone can legally request RIT's code for this since it's not licensed under the AGPL.

- <https://github.com/sympa-community/sympa/issues/1676>

Shibboleth (<https://www.shibboleth.net/>) is likely open source and is one part of the authentication stack that serves part of the behind the scenes functions behind the RIT login portal.

WebWork (you may have used this for a statistics or math class) is open source:

<https://webwork.maa.org/>

ITS

Source: <https://www.reddit.com/r/rit/comments/17vutri/comment/k9k7wpj/>

- Linux (RHEL and Ubuntu)
- Shibboleth IdP
- Shibboleth SP
- Kubernetes
- OpenLDAP
- MIT Kerberos
- BIND, NSD, Unbound
- FreeRADIUS
- Nginx
- Haproxy
- MetalLB
- Cert-Manager
- Sooooo many Apache HTTP
- Tomat, Jetty
- MySQL/MariaDB, Postgres
- FRR
- Quagga
- Listproc -> Mailman -> Sympa
- Grafana
- InfluxDB
- Zabbix
- PHP
- Drupal
- Netbox
- Node-RED
- Ansible

Proprietary External, Official Software

For a list of proprietary software used in an official capacity, see

[☰ List of Proprietary Contracted Software at RIT](#)

Legacy Stuff

Stuff that's probably still interesting but has been abandoned/not updated in years/probably no longer used

<https://claws.rit.edu/> - used to be called open claws and used to be GPL2

- <https://web.archive.org/web/20070114054556/http://claws.rit.edu/>
- . RIT made it proprietary and tried to scrub all instances of the code from the internet

<https://github.com/spmadden/rit-betterclaws>

Proprietary student-built stuff

https://electricblueideas.com/#/Campus_Food

Campus free food app

- https://www.reddit.com/r/rit/comments/9cvvs1/campus_free_food_app_now_available_for_r_rit/
-

SITO

TigerCenter

Some old TigerCenter frontend repo: <https://github.com/cdt5799/tigerCenter>

Stuff that counts for RIT CoOp

Ok this isn't internal to RIT but it's tangentially related. Basically all of these count as RIT Co Ops

Co ops are:

- 12 weeks (semester) or 10 weeks (summer)
- Of full time (≥ 35 h/wk)
- Paid (no defined minimum rate)
- Work in a field of study related to your major

RIT Entrepreneurial Co Op - Typically unpaid co ops doing research in particular departments, but these can be a great option if you're struggling to find something. IGM (and possibly SJ) may be good to talk to regarding what is available.

- [Travis](#) may have a project
- See also the [Professor Research](#) section of this document

-

<https://summerofcode.withgoogle.com/> - seems quite competitive in my limited experience

<https://www.outreachy.org/> is an excellent program run by Software Freedom Conservancy to help increase diversity - this is only for marginalized communities (women, LGBTQ, people with disabilities, etc)

<https://wiki.softwareheritage.org/wiki/Internships>

<https://lfx.linuxfoundation.org/tools/mentorship/>