

This is a **living document** managed by **Amber Ignatius** to help students begin building their Geospatial credentials. The document also includes information for graduating students to prepare for “life after UNG”. All materials/website links should be considered *suggestions* and students must further research the credibility of any jobs, internships, or other opportunities.

-click “show document outline” on left of screen to see organized list of contents-

CURRENT STUDENTS:

UNG IESA Program <https://ung.edu/institute-environmental-spatial-analysis/academic-programs>

NETWORKING----

Use IESA/UNG! We are a community and want each other to succeed. Start building a network.

- **UNG Geospatial Alliance!** https://connect.ung.edu/student_community?club_id=22368
 - New officers elected search semester

- Join online GIS user groups
 - Georgia Geospatial Association (free for students)
<https://gageospatial.org/students/>
 - Atlanta Region Geospatial Community (monthly lunch)

- Attend a conference/meeting
 - Get a CURCA \$500 travel grant!
<https://ung.edu/undergraduate-research-creative-activities/student-opportunities/ravel-grants>
 - UNG GIS Day (each November)
 - GA Geospatial Conference <https://www.geospatialconferencega.com/>
 - GWRC <https://rivercenter.uga.edu/georgia-water-resources-conference/>
 - SEDAAG Conference <https://sedaag.org/>
 - ESRI Conferences <https://www.esri.com/en-us/about/events/index/overview>

GRADUATING STUDENTS:

PREPARE FOR GRADUATION----

Think about your next steps

Make a list of career goals (be opened minded)

Get some experiences: internships, volunteering, summer jobs

Get materials ready

- Clean up your online presence! (Google yourself)
- LinkedIn
- Resume (include computer, lab, and fieldwork skills!)
 - Private sector jobs often prefer short (1 page max)
 - Academic/Research positions may prefer multi-page C.V.

GRADUATE SCHOOL ADVICE:

<https://www.forbes.com/sites/startswithabang/2019/10/16/the-3-most-important-questions-every-prospective-grad-student-must-face/#ad5f9d959dea>

To get funding, applications usually due in December for next August

- Statement of Purpose
- 3 letters of recommendation (give *minimum* two weeks notice)
- GRE test score (this is not always required, check the graduate program. get a practice book and take GRE at a testing center. test offered based on your schedule so take it when you are ready!)

Seek funding for grad school!

- available to strong grad school candidates
- often covers tuition and provides a small stipend for living expenses
- Teaching Assistantship (TA)
- Research Assistantship (RA)
- look at "[Other jobs/postdoc/RS positions](#)"

Consider applying for grants

- NSF Graduate Research Fellowships Program (GRFP) \$37,000 stipend
<https://www.nsfgrfp.org>

JOB SEARCH:

Network!!!

- colleagues, friends, faculty, etc.
- consider a conference or professional meeting
- join local GIS user groups
 - GA Geospatial Association (mappy hour)
 - Atlanta Region Geospatial Community (monthly lunch)

Online applications (e.g. USA jobs) need to get through the “HR wall”

- use custom keywords in your resume (e.g. if job wants “python experience” and you have that, make sure you include this keyword in your resume!)
- customize cover letter for each job

Use IESA/UNG

- Start building a network here. Get feedback from fellow students about resume, cover letter, interview skills, etc.

INTERVIEWS----

- Even if you don't get/want the position, great practice! more networking!
- Research the people/department ahead of time.
- Ask them a question or two at the end of the interview.
- Be gracious/appreciative
- Send a follow-up thank you email
- Practice interview questions [here](#)

JOB POSTINGS:

**websites shown in red are a good place to start...*

PRIVATE SECTOR JOB POSTINGS

- <https://gageospatial.org/jobs/>
- <https://www.indeed.com>
- <https://www.ucgis.org/job-listings>

FEDERAL JOB POSTINGS

- Upload resume & set up automatic email alerts: <https://www.usajobs.gov>
- Student/Recent Grad internships:
<https://www.usajobs.gov/Help/working-in-government/unique-hiring-paths/students>
- ORISE jobs: <https://orise.orau.gov/stem/internships-fellowships-research-opportunities>
- NPS Scientists in Parks: <https://www.nps.gov/subjects/science/scientists-in-parks.htm>
- NPSGIS Internship Program
<https://www.nps.gov/subjects/gisandmapping/nps-gis-internship-program.htm>
- Contractor positions: <https://www.fedconnect.net/FedConnect>
- NASA Develop <https://develop.larc.nasa.gov/apply.php>
- KBR https://kbr.wd5.myworkdayjobs.com/KBR_Careers
- NASA SARP summer program (for undergrads)
[https://www.nasa.gov/centers/ames/earthscience/programs/airbornescience/studentairbo
meresearchprogram](https://www.nasa.gov/centers/ames/earthscience/programs/airbornescience/studentairbo
meresearchprogram)
- NASA student internships <https://www.nasa.gov/learning-resources/internship-programs/>
- NGA internships https://www.nga.mil/careers/Student_Opportunities.html

- RISC internships <https://www.arlis.umd.edu/index.php/student-research-opportunities>

STATE SECTOR JOB POSTINGS

- Georgia State jobs <http://team.georgia.gov/careers>
- GA Geospatial Information Office Blog <https://gio.ga.gov/blog/>

OTHER JOBS/POSTDOC/RA/INTERNSHIPS

- AAG Student Jobs/Postdocs/RA <http://www.aag.org/studentopportunities>
- UGA Warnell School of Forestry and Natural Resources Job Postings <https://www.warnell.uga.edu/job-postings>
- Geotech “GIS Jobs Clearinghouse” <https://www.gjc.org/map/index.html>
- Society for Conservation GIS <https://scgis.org/jobs>
- Student Conservation Alliance (SCA) <https://www.thesca.org/serve/positions>
- Harvard Forest internship: <https://harvardforest.fas.harvard.edu/other-tags/reu>
- Geoportal Tech International RS/GIS jobs/RA: <https://geoportal.tech/job-offers/>
- Ecological Society of America Job Board <https://www.esacareercenter.org/jobs/>
- Organization of Biological Field Stations <https://www.obfs.org/internships-and-reus>
- American Society for Photogrammetry & Remote Sensing <https://www.asprs.org/Classified-Ads>
- Cornell AgriTech Summer Research Scholars Program (for undergrads) <https://cals.cornell.edu/cornell-agritech/our-expertise/student-programs/summer-scholars/program-information>
- UNG student jobs <https://ung.hiretouch.com/view-all-jobs>
- Check city or county government job websites (for example <https://www.governmentjobs.com/careers/gainesvillega>)

Random Geospatial Stuff:

COOL THINGS----

- ♥♥♥ Google Earth Engine ♥♥♥ <https://earthengine.google.com>
- Scene From Above Podcast <https://scenefromabove.podbean.com>
- Mapscaping Podcast <https://mapscaping.com/podcasts/>
- Linear Digressions Podcast <http://lineardigressions.com>
- [Planet Money Goes to Space Podcast](#)
- Earth from Space documentary <https://www.pbs.org/video/nova-earth-space>
- Geospatial Revolution video series <http://geospatialrevolution.psu.edu/episode1>
- [450 free courses online](#)
- <https://www.indigenoumaps.com/indigenous-mapping-collective/>

UAV Stuff----

FAA Part 107 sUAV certification prep:

- [Amazing Study Guide & Video](#) (memorize 1.5 hr video and all website content)
- [Sectional charts](#) (watch all 4 videos)
- [FAA Handbook](#)
- [FAA part 107 online modules](#)
- Testing Center: Lanier Flight Center Gainesville, GA 678-989-2395 Site ID LAS30501