

Shivam Patel

patel.shivam.m@gmail.com | 732-857-0243 | shivampatel17.github.io

EDUCATION

The Ohio State University- Columbus, Ohio
B.S. Computer Science and Engineering and Business Minor

GPA: 3.90
May 2021

WORK EXPERIENCE

Full-stack Software Engineer, Beam Dental
Columbus, OH

October 2021 – Present

- Converted a paper medical questionnaire to a fully automated online form using Ruby on Rails and React.js
 - o Designed and wrote our system's APIs and data models to persist our member's data on a team of three
- Implemented designs from our UX team for various projects such our Member Dashboard and Beam Perks page
- Handle production issues for our members, brokers, and internal teams through cross-team collaboration
- Co-facilitator of our bi-weekly technical book club where various company members discuss software principals

Software Engineering Program Intern, JPMorgan Chase & Co.
Columbus, OH

June – August 2020

- Developed a cross platform mobile app for a nonprofit organization as a social good project to connect students
 - o Learned Flutter/Dart with a team of seven interns and delivered an MVP in two weeks for the nonprofit
- Used Atlassian tools such as Bitbucket, Jira, and Confluence as well as Zoom to collaborate virtually
- Presented the mobile app with interactive games as a business solution to the firm and nonprofit

Software Engineering Intern, Principal Financial Group
Des Moines, IA

May – August 2019

- Cleaned a database of customer data with python by validating addresses and reformatting text for consistency
 - o Learned to use asynchronous threads to make many API calls without sacrificing accuracy
- Created a web app in Node.js with five other interns for three days while teaching teammates how to code
 - o Technologies used: GCP (speech-to-text), Node.js (express framework), MySQL database, App Engine

ENGINEERING PROJECTS

Food Tracking Web Application

April 2022 - present

- Django application to help easily log my meals while also creating a database of what I enjoy
- Tracks grocery inventory, allows meal generation based on available ingredient, and creates grocery lists

Elephant RFID Automated Feeder, Developer and Project Manager

January – May 2021

- Developed a Django web app to allow Cincinnati Zookeepers to program physical food dispensers for Elephants
- Wrote a server controller in python that talks over FTP to a Raspberry Pi to activate the physical feeder

Super Mario

January - April 2020

- Created World 1-1 of Super Mario Bros and more using XNA/Monogame and C# (using Visual Studio as my IDE)
- Collaborated on 4-person team both in-person and virtually over zoom

Rootkit on 32-Bit Ubuntu Machine, Linux Kernel 4.15

March – May 2020

- Hacked together a rootkit with Linux LKM which hides any or all files/directories from users and admins in network
- The LKM can also launch malware that causes the operating system to crash (safely)
- Written entirely in C and can be compiled using GCC 7.x (2-person team and entirely virtual)

SKILLS PROFILE

- Proficient in programming Java, Ruby - Rails, Python - Django, and C#. Very comfortable with Git and Linux
- Experienced in Web Development and Data Engineering

ACTIVITIES AND INTERESTS

- Hackathons: EthOnline, HackOHIO
- Developer, 360NFT– Music and Entertainment blockchain platform for Artists and Creators