

HEMANT HEER

EMAIL: hemant.heer@gmail.com

PHONE: (607) 727-7787

LINKEDIN: [hemantheer](#)

GITHUB: [VortexH](#)

EDUCATION

Holberton School

Software Engineering, Apr '19

An intensive software engineering program covering low level, object oriented, and web technologies

State University of New York at Binghamton

Bachelor of Science (B.S.) in Bioengineering, May '15

GPA: 3.72 Magna Cum Laude Dean's List: Fall '11 – Fall '13, Fall '14 – Spring '15

Coursework covered adaptive systems, applied soft computing, bioinformatics, biological networks, biomechanics, circuits, complexity, data acquisition and analysis

LANGUAGES

C, Python, Bash, Javascript, HTML/CSS, SQL

FRAMEWORKS/LIBRARIES

Flask, jQuery

TOOLS

Git, Vagrant, Linux, VS Code

PROJECTS

deTweet

Mar 1 '19 – Present

- **Flask** app that cleans up inappropriate tweets from a Twitter user's timeline
- 100% of my contributions included integrating Twitter **OAuth** and building functions to retrieve, delete, and filter tweets
- Deployed codebase using **Fabric** to a **Digital Ocean droplet** and proxied all **NGINX** requests to a **Gunicorn** instance serving app
- Remotely worked with front-end developer, evaluated **JSON** return values, understood 3-legged OAuth, and built a working backend with **Flask-Dance**, **Flask-Login**, and **SQLite**

Abalone

Feb 24 '19 – Feb 25 '19

- Chat platform built at a 24-hour hackathon, hosted at Holberton School, where users can comment under any Youtube video
- Created a commenting **API** in **Flask** that used raw **SQL** to submit individual comments and bulk retrieve all comments from a **MySQL** database
- Hackathon taught me how to build an API that would be consumed by the front-end team and work under a tight deadline

AirBnB Clone

Nov 8 '18 – Feb 16 '19

- Full stack app built with **Python** and **Flask** to mimic AirBnB's vacation housing model
- Uses **jQuery** to consume **RESTful API** to populate front page with listings, an **ORM** to manage the creation of models, filtration using amenities and/or location, and persists data in either a **MySQL** database or **JSON** file
- Hosted application using a 3 server web infrastructure using **Gunicorn**, **NGINX**, **HAProxy**, **Bash** scripts, and **Fabric**
- Practiced **Test Driven Development**, **pair programming**, and regularly reviewed pull requests with multiple developers

EXPERIENCE

Sanmina

Jul 24 '17 – Nov 24 '17

Metallurgical Lab Technician

- Prepared and evaluated cross sections of circuit boards that were in various phases of the production process
- Filled out evaluation forms and stored measurements into individual test databases
- Moved to Final Quality to rework internal database the department was using for tracking items needed for shipments