

Sam Roquitte

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Education

Georgia Institute of Technology | Atlanta GA

GPA: 3.7/4.0 | August 2018 – May 2022

Bachelor of Science in Computer Science

Honors: Summa Cum Laude

Experience

Redfin (redfin.com) | Seattle, WA

July 2022 - November 2022 (layoff)

Software Developer Engineer I, Site Reliability Engineering

- Designed and built a service to rotate on-call engineers through Slack
- Used statsd to collect metrics and alert on execution failures and irregularities
- Built tools to automate tedious processes during Reliability Engagements such as alert cataloging
- Setup CI pipelines with full coverage and linting for team projects to increase code quality and reduce bugs

Georgia Tech Space Systems Design Lab (ssdl.gatech.edu) | Atlanta, GA

Spring 2022

Undergrad Research, Ground Station Operations

- Architected and wrote software to connect three ground stations on campus to the mission operations center
- Software written in Python with ZMQ for message transport
- With my software, operators no longer need to be physically present at a ground station to uplink/downlink data
- Assisted with flight operations for two cubesat missions, [GT-1](#) & [Lunar Flashlight](#)

Redfin (redfin.com) | Seattle, WA

Summer 2021

Software Developer Intern, Mortgage

- Built a new live status monitoring service to track third party outages and performance issues and display them on a live status page the mortgage operations teams
- Resulted in fewer messages from mortgage operations, previously caused engineers to stop work to respond
- Used AppSync with DynamoDB to allow for live updates on the page (no need to refresh for updated data)
 - Lays the groundwork for future projects that will be using these technologies

GT CS2200: Systems & Networks | Atlanta, GA

Fall 2019 - Fall 2021

Head Teaching Assistant, Fall 2020 - Fall 2021 (3 semesters)

Teaching Assistant, Fall 2019 - Spring 2020 (2 semesters)

- Restructured team leadership, adding two lead positions, resulting in fewer errors in projects and homeworks
- Hired new teaching assistants each semester and managed 18 through the semester
- Built new automatic grading tools for all projects and homeworks, greatly reducing the required grading time
- Held weekly meetings with TAs & professors to delegate tasks and plan recitations
- Conducted individual meetings with each TA to assist with personal growth and provide feedback
- Designed new projects to teach students about system architecture and networking concepts

Skills

Languages: Java, C, Python, Bash/zsh, Javascript, HTML, CSS, PHP

Web Technologies: Node.js, React, AppSync & DynamoDB, Angular, Mobx, MongoDB, MySQL, Redis, Nginx, Apache2

Platforms & Networking: Linux (Debian), DNS configuration, Domain & subdomain configuration, SSL certificates

Projects

BuzzBasket (HackGT Hackathon) - Winner: NCR 1st prize

2020

- Worked with NCR's Silver API to build a project that helps stores & restaurants eliminate food waste
- Users text the BuzzBasket number to request a basket and our app finds items nearing their shelf life to sell them at a reduced cost before they expire
- Built using Twilio, Firebase, Node.js, and NCR's Silver API

Other Hackathon Projects:

- HouseUP (HackGT, 2019): **Winner: Wayfair 1st prize, housing inequality**
- eL (MakeHarvard, 2019): **Winner: Sunstone prize**