

Sam Roquitte

(608) 807-9363 | sam@roquitte.com | <https://sam.roquitte.com>

Education

Georgia Institute of Technology | Atlanta, GA

GPA: 3.7/4.0 | August 2018 – May 2022

Candidate for Bachelor of Science in Computer Science

- Relevant courses — Game AI, Robotics & Perception, Design and Analysis of Algorithms, Computer Organization and Programming, Systems and Networks, Intro to Artificial Intelligence, Data Structures & Algorithms, Linear Algebra, Discrete Math, Objects and Design, Digital Design Lab

Experience

Georgia Institute of Technology College of Computing | Atlanta, GA

Fall 2019 - Present

Head Teaching Assistant (CS2200: Systems and Networks Fall 2020 – present

Teaching Assistant (CS2200: Systems and Networks) Fall 2019 – Spring 2020

- Took initiative to restructure TA team to increase productivity and reduce errors in project & homework assignments
- Responsible for hiring and supervising 18 undergraduate Teaching Assistants
- Led teams to build new automatic grading tools for all projects and homework assignments
- Held weekly team meetings to delegate tasks and assign grading
- Conducted individual TA meetings to assist with personal growth and provide feedback
- Designed projects to teach processor design and low level architecture

Redfin (redfin.com) | Seattle, WA

Summer 2021

Software Development Intern (AWS AppSync, DynamoDB, React, GraphQL)

Real estate company helping consumers buy & sell homes faster and easier.

- 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 much fewer messages from mortgage operations which previously caused 180 people to stop work to check and reply
- 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

eCIO (getecio.com) | Madison, WI

Summer 2019 & 2020

Software Development Intern (React, Mobx)

Startup robo advisor for institutional investors.

- One of two developers charged with building a client facing investment portfolio management system (myecio.com)
- Reduced average app load time from 760ms to 106ms by implementing a proxy endpoint in the backend service
- Refactored events lambda function into a backend service for increased versatility
- Built an iCAL service to allow users to load events from eCIO into their own calendar
- Assisted with architecture design to plan data models and overall system design

Skills

Languages: Java, C, Python, JavaScript, Bash, HTML, CSS, PHP, Arduino

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

Platforms & Networking: Linux (Ubuntu, 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

Smart Queue (COVID-19 Global Hackathon 1.0)

2020

- Built a webapp that allows students to easily join queues to get help from teachers to assist with the move to online
- Learned how to use websockets to synchronize queue on all clients at the same time
- Used native notifications to alert students when it is their turn and allow them to join videocall with a single click
- Created with Node.js, React, MaterialUI, HTML5 websockets and native notifications

Other Hackathon Projects:

- HouseUP – HackGT 6, 2019: **Winner: Wayfair housing inequality**
- eL – MakeHarvard 2019: **Winner: Sunstone prize**