

Robin Kim

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EDUCATION

Georgia Institute of Technology

B.S/M.S. Program in Computer Science - Computing Systems Specialization

Atlanta, GA

Aug. 2021 – May 2025

TECHNICAL SKILLS

Languages: Python, Go, Java, C, C++, C#, JavaScript, HTML, CSS, SQL

Technologies: Git, Terraform, Microsoft Azure, AWS, Firebase, MongoDB, PostgreSQL, MySQL, Docker, Bash Shell, Linux, React, Django, Jira, Confluence, Unity, Wireshark

WORK EXPERIENCE

Graduate Teaching Assistant @ CS 3251 - Computer Networking

Aug. 2024 – Present

College of Computing - Georgia Institute of Technology

Atlanta, GA

- Guiding 300+ students through **computer networking** concepts, including **error recovery, medium access, routing, flow control, and transport** with emphasis on best practice
- Creating programming assignments in **Python** and building an auto-grader using **Bash** and Gradescope

DevOps Engineer Intern @ Cox Enterprises

May 2024 – Aug. 2024

Communications and Automotive Distributor

Sandy Springs, GA

- Spearheaded a transformation in **GitHub Enterprise** resource governance through **Terraform Cloud**, cutting deployment times for all GitHub related changes by **99%**
- Created **GitHub Actions** workflows to automate governance procedures for enterprise users, reducing enterprise billing by more than **25%**
- Developed a **React** and **Flask** full-stack web application incorporating **Azure Vision AI** and built a **CI/CD** pipeline deploying to multiple environments on **Azure App Service**

Software Engineering Intern @ Verint Systems

May 2023 – Aug. 2023

CX Automation and Analytics Company

Alpharetta, GA

- Worked on the **Recorder Integration Service** team analyzing the health of the service using **Datadog**
- Defined and created metrics using **Java** and created unit tests using **JUnit** and **Mockito**
- Developed **REST API** deployed to 1000+ servers for probing the health of the service through **synthetic testing** and created dashboards with encompassing **latency, quality, and availability** metrics

Undergraduate Teaching Assistant @ CS 1301 - Intro to Computing

Aug. 2022 – May 2023

College of Computing - Georgia Institute of Technology

Atlanta, GA

- Guided 250+ students through programming concepts in **Python** through daily office hours
- Created study guides mapping Python concepts to other languages including **Java, C, C++, C#, JavaScript**

RESEARCH INVOLVEMENTS

Research Assistant @ ANSR Lab

Jan 2024 – Present

Network and Systems Lab - Georgia Institute of Technology

Atlanta, GA

- Research exploring the capacity of existing **LEO (Low Earth Orbit) Satellite networks** such as **Starlink**
- Building a satellite **Hypervisor** enabling multiple guest OS tenants on top of NASA's **cFS**
- Designed and implemented a way of simulating **Satellite Network Capacity** using **NetworkX**

Student Researcher @ Automated Algorithm Design VIP Project

Aug 2023 – Dec 2023

College of Computing - Georgia Institute of Technology

Atlanta, GA

- Project about **Genetic Algorithms, Genetic Programming**, DEAP (Distributed Evolutionary Algorithms in Python), and EMADE (Evolutionary Multi-objective Algorithm Design Engine)
- Image Processing** Subteam - Building evolving vision models to distinguish x-rays from pneumonia patients

PROJECTS

Plant Capturing Game | *Unity, C#, Firebase, Python, Git*

- IOS game capturing plants, incorporating computer vision and GPS data for **Google Student Developer Club**

J-Pop Song Recommender | *JavaScript, Python, Django, PostgreSQL, HTML, CSS*

- Full-stack web application that recommends new songs and artists based on user selections and popularity