

Yuqi He

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Objective

I am a third-year Computer Engineering student at Georgia Tech focusing on computer architecture and operating systems. I am passionate about computers since elementary school. This passion and curiosity lead me to discover what is happening inside a computer and apply what I know into solving practical problems. My career goal is to learn from my experience and my interaction with other people and leave a positive impact in this world through my work.

Education

Georgia Institute of Technology | Atlanta, GA

Bachelor of Science in Computer Engineering, GPA 3.92

January 2020 – Present

Expected Graduation, May 2022

University of California, San Diego | La Jolla, CA

Transfer with 92(Quarterly) Credit Hours, GPA 3.78

September 2018 – December 2019

Skills

Programming: Java, Python, C, C++, JavaScript, HTML, CSS, assembly language (MIPS), Verilog

Frameworks: Django, MongoDB, SQL, Ajax, Node.js, Vue.js, React, JUnit

Platforms: Linux (Ubuntu, CentOS, Debian)

Hardware: Raspberry Pi, ARM mbed microcontroller, FPGA, oscilloscope, logic analyzer

Software: Android Studio, Altera Quartus II, GitHub

Professional Organizations: Electrical and Computer Engineering Ambassadors

Communication: Design proposals, technical reports, instruction manuals, presentations (large and small audiences)

Languages: English (fluent), Chinese (fluent)

Experience

Apple | Cupertino, CA (Remote)

May – August 2021

Eng Undergrad Intern

- Work with SEG SOC SLT team on three projects during summer.

Tencent | Beijing, China

May – July 2019

Software Engineering Internship (Unpaid)

- Worked on the back-end development team. Developed and upgraded internal tools to create, verify, parse, and diff-check XML setting files for employees and customers.

Projects

Discord bot

Jan – May 2020

This long-term project aims to organize large Discord server and add interesting features.

- Created simple user commands, organized all channels automatically every 24 hours, and created simple messages when there are server updates and changes.
- Integrated chat bot with machine learning, added Google and Spotify features in voice command, and added error notification through email.

League of Legends stats lookup website

Feb – Sep 2020

- Listed account stats and detailed player performance analysis with customizable background image.
- Showed profiles of currently in-game players with rank placements.

Activities

EcoCAR Mobility Challenge | Atlanta, GA

Jan 2021 – May 2021

Undergraduate research (VIP) guided by Prof. David Taylor

- Created MIL testing for two subsystems, Fancy Faults subsystem design and implementation, and data processing scripts.