H. Race Hunter

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Objective

Motivated computer engineer experienced with enterprise development tools and project management. Interested in performance-critical systems. Seeking full-time entry-level engineering position starting in February 2021 after graduating December 2020.

Skills

Languages – C/C++, Java, C#/.NET, Python
Web Technologies – Javascript, Electron, React.js, Typescript
Tools – git, Docker, Jenkins, Sentry, Splunk, Trello/Asana/Jira, IntelliJ, VS code, Visual Studio
Hardware – Verilog, EAGLE PCB, Quartus Prime, digital logic, analog circuit analysis

Professional Experience

Intern, Tesla Inc. Sep 2020 – Dec 2020

CS Engineering Intern, Sun Engineering & Technology International June 2020 – Sep 2020

- Lead a team of 4 to design, code, and deploy a .NET automation tool spanning an hour-long workflow for over 400 files per project, with emphasis on adaptability for future projects

Software Engineering Intern, Fitbit, Inc. June 2019 – Dec 2019

Full time internship (June – September)

- Created React.JS web app, increasing productivity by replacing CLI tools that required developer involvement, saving several hours each week for a team of 20
- Automated update distribution (CI/CD) and testing, increasing productivity and reducing debugging time

Part time internship (September – December)

- Created Java microservice to automate EOL for consumer firmware, saving 2 hours each week of developer time and reducing time for consumer updates

Business Owner, Race to the Top June 2014 – June 2015

- Sold and installed industrial surveillance systems to fund a full-time religious mission for 2 years

Notable Coursework – Computer Engineering at UC San Diego (December 2020)

Advanced Software Engineering (CSE 112) Spring 2020

- Lead a group of 11 to design, document, and build a Chrome extension to boost remote developer productivity

Advanced Digital Design Project (ECE 111) Spring 2020

- Conducted a group of 3 to design and synthesize a bitcoin miner using SystemVerilog

Intro to Computer Architecture (CSE 141) Winter 2020

- Optimized a simplified version of AlexNet for speed up of 4.8x using pipelining, loop tiling, and multithreading

Quadcopter Class (CSE 176E) Spring 2019

- Worked in a team of 2 to design, manufacture, and assemble a custom PCB using EAGLE software
- Developed various safety mechanisms in firmware to reduce operator injury, including safe startup, auto timeout, and interference rejection

Other Coursework

Front-end Design
Digital Logic Design + Lab
Intro to Data Science
Health Care Robotics
Principles of Operating Systems
Advanced Data Structures
Enterprise Finance
Ethics at Work
Theory of Computability
Algorithms
Principles of Accounting