Richard Sun

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Education

University of California, Los Angeles   Expected Graduation: June 2018

Computer Science, BS

GPA: 3.9

Work Experience

Software Engineering Intern | Symantec   June 2016 - Nov 2016, June 2017 - Sept 2017
- Worked on SONAR, a C++ Windows driver that provides heuristic antivirus protection
- Developed a proof-of-concept feature which successfully detected a new ransomware sample

Development Lead & IT | UCLA Student Media   May 2015 - Present
- Full stack development using Django, Angular, Ionic, React Native
- Manage servers and Digital Ocean droplets that run over 10 websites

Projects

UCLA Maps
- Led development on a Django backend that does outdoor and indoor navigation in UCLA. We developed an indoor navigation library that can draw routes from GIS data.
- Worked on the React Native frontend to help implement more robust asynchronous code.

AppGet
- A PaaS application designed to allow users to create and deploy mobile apps in minutes, without writing any code. It provides fully functional components that clients can customize through a web interface.
- Built with Angular and the Ionic Framework to make use of their templating system.
- Used this platform to create over 10 apps for UCLA and other universities.

Skills

Languages: C++, Javascript, Python, C, Java, HTML/CSS

Tools: MySQL, Postgres, Django, Angular, React, Linux, Git

Coursework

- Software Engineering
- Operating Systems
- Algorithms
- Databases
- Web Applications
- Networks
- Programming Languages
- Machine Learning