Richard Sun

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Education

BS in Computer Science

University of California, Los Angeles, 2018 (*summa cum laude*, 3.91 GPA)

Work Experience

R&D Software Engineer 2 | Broadcom (acquired Symantec)   Nov 2019 - Present

Software Engineer | Symantec   July 2018 - Nov 2019

- Worked on SONAR, a C++ Windows driver that provides behavorial antivirus protection
- Designed and developed a script tracking feature that provides real-time protection against popular malware attack vectors
- Helped port the Windows kernel-mode code to cross-platform C++

Development Lead & System Administrator | UCLA Student Media   May 2015 - June 2018

- Full-stack web and mobile development using Django, Angular, Ionic, React Native
- Managed servers and Digital Ocean droplets that host over 10 websites

Projects

UCLA Maps

- Led development on a Django backend that does outdoor and indoor navigation in UCLA.
- Developed an indoor navigation library that can draw routes from GIS data.
- Integrated the React Native frontend with the REST API

AppGet

- A PaaS application that allow users to create and deploy mobile apps in minutes, without writing any code. It provides fully functional components that can be customized through a web interface.
- Built with Angular and Ionic to make use of their templating system.
- Used this platform to quickly deploy over 15 apps for UCLA and other universities.

blink1-web

- A website that can remotely control a LED in real time
- Implemented peer-to-peer communication across NAT using a Node.js relay server

Skills

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

Tools: SQL, Django, Angular, React, Linux, Git