

Richard Sun

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Education

University of California, Los Angeles
Computer Science, BS
GPA: 3.9

Expected Graduation: June 2018

Work Experience

Software Development 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, AngularJS, 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. We provide fully functional components that clients can customize through a web interface. We used AngularJS and the Ionic Framework to make use of their templating system.

Robocode Workshop

Hosted a workshop for ACM on Robocode, a Java robot battle simulator. Demonstrated a simple robot that predicted enemy movement to dodge bullets.

Coursework

- | | |
|------------------------|----------------------------------|
| • Software Engineering | • Programming Languages |
| • Operating Systems | • Networking |
| • Databases | • Data Structures and Algorithms |

Skills

Languages

- | | |
|----------|--------------|
| • C++ | • C |
| • Python | • Javascript |

Tools

- | | |
|--------------------|---------|
| • MySQL, Django | • Linux |
| • AngularJS, React | • Git |