

Richard Sun

Software Engineer

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EXPERIENCE

WEPAY

Senior Software Engineer | July 2021 – Current

Software Engineer | May 2020 – July 2021

- Worked with Java and Python micro services
- Designed interfaces and features for WePay's auto-generated Java SDK.
- Emphasized software quality, by discovering and patching many defects and security issues.
- Implemented payment flows to comply with the Visa CVV mandate and 3D-Secure.

BROADCOM (AQUIRED SYMANTEC IN 2019)

R&D Software Engineer 2 | Nov 2019 – May 2020

Software Engineer | July 2018 – Nov 2019

Software Engineer Intern | June 2017 – Sep 2017

- Worked on SONAR, a C++ Windows driver that provides behavioral 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++.

UCLA STUDENT MEDIA

Development Lead & System Administrator | 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.
- 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 Node.js relay server.

SKILLS

PROGRAMMING

Fluent:

C++ • Java • Python

Familiar:

HTML/CSS • JavaScript • Shell

LIBRARIES/Frameworks

Angular • Django • jQuery
Node.js • React

TOOLS/PLATFORMS

Docker • Git • Linux • SQL

EDUCATION

UCLA

Computer Science, B.S

Sept. 27 - June 2018

LA, California

summa cum laude 3.91 GPA