Patrick Le

SOFTWARE ENGINEER · PRODUCT MANAGER · WEB DEVELOPER

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Skills

Programming Languages: C++, JavaScript, Java, Python, SQL

Frameworks & Tools: Git/Github, REACT, REACT Native, GraphQL, TensorFlow, Google Protobufs

Leadership Work: ACM@UCR Vice Chair (17/18), ASUCR BCOE Senator (17/18), Citrus Hack Sponsorship Chair (16/17)

Work Experience

Microsoft - Office Experience
Expected Aug 2019

SOFTWARE ENGINEER
Redmond, WA

Amazon - Alexa Smart Home Mobile
Sept 2018 - Dec 2018

SOFTWARE DEVELOPMENT INTERN
Seattle, WA

- Worked on the Alexa Smart Home Mobile GUI using React Native, and Native Android & iOS
- Implemented Smart Home devices group's & category's entities controls such as power, brightness, color, locks, & temperature
- Feature is expected to bring customer's coverage from 75% to 99% by adding new capabilities to over 1.4 million costumers.

Informatica - Cloud Services
June 2018 - Sept 2018

SOFTWARE ENGINEER INTERN
Redwood City, CA

- Migrated large parts of Informatica's ICS to REACT which improved full rendering performance from 2,000ms to 100ms
- Contributed to Informatica's internal REACT UI framework which is currently being used throughout their web products.
- Integrated brand new REACT UI component with Informatica's Java back-end severs and multiple databases

Associated Students of UC Riverside
June 2017 - June 2018

SOFTWARE LEAD / PRODUCT MANAGER / ENGINEERING SENATOR
Riverside, CA

- Implemented full stack features of the ASUCR Elections website, including REACT injections and card swipers integration.
- This project supported a candidate pool of 60+ individuals, 20K+ students body and saving $8K+ in unnecessary spending

Embedded System Research Lab @ UCR
Sept 2017 - June 2018

UNDERGRADUATE RESEARCHER
Riverside, CA

- Worked under a grad student on planarization of non planar graphing algorithms and graphing optimization for microfluidics

Zodiac Inflight Innovations - Content Delivery
June 2017 - Sept 2017

SOFTWARE ENGINEER INTERN
Brea, CA

- Implemented a conversion tool for backwards compatibility between tablets and content distribution APIs systems
- The conversion tool can fully blend a 1+ terabytes content set from 16 hrs to 1hr by using multi-threading and OS optimization.
- Worked on the content distribution team and contributed several distribution functionality using Google Protobufs and QT.

Department of Computer Science & Engineering @ UCR
Sept 2016 - Jan 2018

TECHNICAL GRADER
Riverside, CA

- Implemented an automation grader tool for CS100 (Software Construction) that can grade hundreds of Github Repos
- Decreased total grading time from 4+ days to 20 minutes and graded 1000+ students.

Projects

Clarity - Pandora Podcast (Senior Design)

SOFTWARE DEVELOPER

- Integrating several RESTful & full stack features for content delivery, mp3 playback, content cloud play / streaming.

Huddle - Software Scrum Cycle Management App

PRODUCT MANAGER / LEAD DEVELOPER

- Led a team of 4 in building a web application using REACT, Google's Firebase, and contributed several full stack features.

EyeMap - Computer Vision

SOFTWARE DEVELOPER MEMBER

- Implemented an eye tracking device using the user's webcam which is mapped relative to what the user see on the screen.

Education

University of California, Riverside
Expected Grad: Spring 2019

BACHELOR OF SCIENCE IN COMPUTER SCIENCE
GPA: 3.24