

Patrick Le

SOFTWARE ENGINEER · PRODUCT MANAGER · WEB DEVELOPER

☎ 1 (714) 812-7224

| ✉ lepatrick714@gmail.com

| 🏠 lepatrick714.com

| 📱 lepatrick714

Work Experiences

Microsoft - Office Automation Resources

Jul 2019 - Present

SOFTWARE ENGINEER

Redmond, WA

- Implementing several cloud based tools/services to increase the productivity of over 6,000 Office Software Engineers.
- Owner of several internal systems in Office for the consolation of failures and resources for over 2 million jobs/week..
- Increased the reliability and turnaround time for all engineering jobs by 30% and 45% respectively.
- Ported Virtual Machine job system into Azure which saved +\$1 million/year in deprecation cost and +15% SLA turnaround.
- Utilized several technologies stacks such as **C#, C++, Perl, React.JS (Frontend)**, and **powershell**

Associated Students of UC Riverside

June 2017 - June 2018

ENGINEERING SENATOR | SOFTWARE LEAD

Riverside, CA

- Implemented a **Flask** back-end server and **SQL** database for managing over 5K student records/votes
- Implemented full stack features of the ASUCR Elections website in **React** which received over 6K unique foot traffic.
- This project supported a candidate pool of 60+ individuals, 20K+ students body and saving \$8K+ in unnecessary spending

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.

Internships

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 customers.

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 servers and multiple databases

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.
- Tool is currently in production on Lufthansa, All Nippon Airways, and Fly Dubai with over 200+ planes flying

Projects

American Cancer Society Stories of Hope Portal

FULL STACK DEVELOPER

- Used **AngularJs** and **Azure** to build a Story-Telling Web application for the American Cancer Society.
- **Winner of Top Project award in Microsoft Canada!**

Clarity - Pandora Podcast (Senior Design)

SOFTWARE DEVELOPER

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

Skills

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

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

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

Education

University of California, Riverside

2019

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

GPA: 3.25