

Patrick Le
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Education

- **University of California, Riverside**
B.S., Computer Science

Riverside, CA
Expected Spring. 2019

Work Experience

- **Zodaic Inflight Innovations - Zodiac Aerospace** Brea, CA
Software Engineering Intern Jun. 2017 - Sept 2017
 - Implemented an Blended tool for backwards compatibility between ContentLoad 1.0 and 2.0
 - Optimized the Blended tool to fully blend a +1 terabytes content set from 16 hrs to 15 mins.
 - Worked on ContentLoad 2.0 distribution pipeline and cloudplay features.
 - Both ContentLoad 2.0 and Blended Content Tool is flying on Lufthansa and FlyDubai.
 - Contributed in several bug fixes and Jenkins scripts for Trunk stabilization
- **Department of Computer Science** Riverside, CA
Grader/Assistant Sep. 2016 - Present
 - Implemented a automation tool for CS100 (Intro to Software Construction).
 - Deployed the tool to Amazon Web Services, Docker, and Jenkins for continuous services.
 - Integrated Github Webhooks and Classroom for continuous grading upon each Git push.
 - Decreased total grading time from 4 days to 20 mins.

Projects

- **Reflex - Huddle** Product Manager / Lead Programmer
Software Management Tool Sep. 2017 - Present
 - Leading a team of 4 in building a web application built with REACT and AWS' DynamoDB
 - Contributed full stack features such as; User Login, Board Logic, and user sharing capabilities.
 - Planning marketing strategy at all UC Campus.
- **S.A.M.** HackPoly (Prize Winner)
Stop Annoying Messages Feb. 2017
 - Enabled mention-only notifications in Facebook Messenger.
 - Deployed S.A.M. to AWS and dockerized for a stable build.
- **UCR Unmanned Aerial Drones** Software Member
Computer Vision Jan. 2016 - Mar. 2017
 - Implemented the image classification pipeline, which was utilized during automatized flight.
 - Implemented several image recognition algorithms using OpenCV such as Shape Segmentation and Classifications.

Languages: C++, C, MATLAB, Python, Java (Learning)

Technologies: TensorFlow, React, AWS, Docker, Node.js, Docker

Volunteering: ACM@UCR Vice Chair, Citrus Hack Co-Director of Sponsorship, Engineering Senator