Patrick Le

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Education

- **University of California, Riverside**   Riverside, CA
  B.S., Computer Science, GPA: 3.26   *Expected Spring. 2019*

Work Experience

- **Department of Computer Science**   Riverside, CA
  Grader/Assistant   *September 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.

- **Zodaic Inflight Innovations - Zodiac Aerospace**   Brea, CA
  Software Engineering Intern   *Jun. 2017 - September 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

Projects

- **Reflex - Huddle**   Product Manager / Lead Programmer
  Software Management Tool   *September 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 - March 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 (Learning), Java (Learning)

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

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