

# Kody Cheung

Fremont, CA 94539 | (510)-364-1322 | [kodycheung013@gmail.com](mailto:kodycheung013@gmail.com) | [kodycheung](https://www.linkedin.com/in/kodycheung) | [kodyc1](https://github.com/kodyc1)

## Education

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### University of California, Irvine

June 2018

Bachelor of Science in Computer Science, Minor in Mathematics

## Experience

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### Data Science Intern, SAP

June 2017 – August 2017

- Combined Information Retrieval and Data Mining to provide supplier KPIs to buyers within a network
- Developed features for a 'Right Quantity' model within Operational Procurement
- Processed large corpuses of documents and created a text mining model in order to supplement the KPI
- Analyzed clickstream data on how customers interact with the indirect procurement platform

### Student Staff Supervisor, UCI eSports Arena

September 2016 – Present

- Manage shifts for general staff members and supervise arena shifts
- Provide technical customer support and resolve issues through UCI OIT
- Built and set up 80 PCs with a full set of peripherals and created the layout for each station in the arena

### IT Intern, YEI Engineers, Inc.

July 2016 – September 2016

- Managed the company's LAN network through Windows Server 2012 R2
- Illustrated short circuit diagrams to accompany MVA Method calculations for electrical systems
- Built and upgraded computers for new employees, and utilized pivot tables for company inventory

## Projects

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### LSTM Neural Network, Python Developer

February 2018

- Collaborated in the development of a LSTM model using data from autonomous vehicle sensors
- Combined LSTM cells with fully connected layers in order to handle multi-dimensional input
- Predicted traffic density in the next link of a road in multiple time steps

### Fabflix Movie Database, Web App Developer

April 2017

- Created an online movie database web app using Java servlets as the backend to host each page
- Displayed information from MySQL queries on JSP pages
- Utilized Amazon Web Services to host a Tomcat server for web app deployment on Linux

### Order Food Online!, Web App Developer

April 2017

- Built a food ordering web app using HTML5/CSS3 and Javascript/JQuery for the frontend
- Integrated Node.js and utilized Express and Mongoose modules for the backend
- Maintained a database in MongoDB and used AJAX calls to pull menu/cart/user data

### Ensemble of Learners, Python Developer

March 2017

- Combined a KNN classifier, an SVM kernel, a random forest of tree classifiers, an adaptive boosted learner, a gradient boosted learner, and a neural network learner into a bag of learners.
- Trained data on 100k data points and validated on a hidden test set
- Submitted into a Kaggle competition in class and ranked in 9<sup>th</sup> place out of 52 teams.

## Skills

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**Technical:** Python, C++, C, Java, HTML5, CSS3, Javascript/JQuery, SQL

**Technologies:** Node.js, Express.js, MongoDB, Apache Tomcat, Github, Tensorflow, Keras