

Jason Fong

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Education

CALIFORNIA POLYTECHNIC STATE UNIVERSITY, SAN LUIS OBISPO 2015-2019

Bachelor of Science in Computer Science
GPA : 3.443 / Major GPA : 3.620

Experience

AMAZON WEB SERVICES - SOFTWARE DEVELOPMENT ENGINEER OCTOBER 2019 - PRESENT

Will begin position in October of 2019.

AMAZON WEB SERVICES - SOFTWARE DEVELOPMENT ENGINEER INTERN SUMMER 2018

Worked on the Infrastructure Supply Chain & Automation team, which automates the fulfillment of forecasted computing demand from AWS. Developed a service that found the differences between the items that changed between forecast versions and presented the changes in an easy to read format. Leveraged a wide range of AWS cloud computing services, such as Lambda, DynamoDB, API Gateway, S3, and Cloudformation. Also gained experience in industry standard practices such as design review, code review, and agile methodologies.

Technologies (Ordered by decreasing experience)

Java, Native AWS, Vim, AWS Lambda/S3/DynamoDB, Python, Git, C, ML, R, Pandas, SciKit-Learn, NumPy, HTML/CSS

Projects

RADIO TOMOGRAPHIC WATER FLOW DETECTION

Collaborative multidisciplinary research project exploring the capabilities of neural networks to identify humans and objects using captured Wi-Fi signals. Personal responsibilities included hardware setup, experimental design, data collection, neural network hyperparameter tuning, and data analysis. The results of the study have since been published by the IEEE Vehicular Technology Society.

AMAZON ALEXA SKILLS

Published various certified Amazon Alexa Skills with over 5000 unique customers in total. First Aid Advice provides users with easy access to advice on 30+ ailments. Basketball Trivia is a simple skill that tests users on NBA facts regarding the past and present. NBA News relays RSS feeds from any of the 30 NBA teams.

IBU REGRESSOR

Came second in class competition to create best machine learning model to predict the IBU of a beer using features such as color, description, and ABV. Trained a random forest regressor which filtered descriptions for notable keywords and found the best combination of features that yielded the lowest cross validation score.

NBA FINALS PREDICTOR

Data science project that includes web scraping, data exploration, data visualization, and a classifier that predicts the winner of the NBA Finals. A notable correct prediction was the 1995 NBA Finals where the sixth seed Houston Rockets defeated the first seed Orlando Magic.