Jonathan Lin

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Objective Senior graduating in June 2020 interested in SWE full-time positions

Education

University of California San Diego — La Jolla, CA
Bachelor of Science in Data Science focus in Computer Science — Graduation: **June 2020**
Minor in Economics | Provost Honors — Major GPA: 3.66/4.0

Skills

Languages – Python, Java, JavaScript (ES6), C/C++, SQL, HTML, CSS, Kotlin
Frameworks – React, React-Native, Web/Android Development, Spring, D3.js, Highcharts.js
Data Science – Supervised/Unsupervised Machine Learning, k-NN, Decision Forests, SVM, Naïve Bayes, Optimization, Regression, Feature engineering, Sklearn, Pandas, Numpy

Experience

Software Engineer Intern – *Walmart Labs* *June - Sept 2019*

- Implemented a real-time service status tracking system, which consists of mobile application and backend service for Walmart Auto Centers (**JavaScript**, **React-Native**)
- Carefully followed Scrum/Agile process, wrote detailed documentation, extensive code coverage with unit tests and had code reviews for each step
- Consumed and exposed a backend service, using **Spring framework**, to retrieve service status from external DataPower Gateway

Data Science Intern – *Cazador Investments, LLC* *Sept 2017 - Jan 2018*

- Feature selected based on industry knowledge, cleaned, and classified 80k properties with 40 columns of housing data points. Used **Sci-kit Regression** on subsets to predict undervalued, potentially high Return-on-Investment off market acquisitions
- Increased acquisition response rate by 23% and reduced acquisition costs by 6%

Genetics Research Intern – *Machaon Diagnostics, Inc.* *June - Sept 2017*

- Evaluated Poisson distribution on empirically generated models in Python using **Pandas/SciPy** for genetic data to analyze normalized curves for the expected number of mutations in a specific gene, was included in a validation research paper. GitHub

Projects

Data Science Tutor – *UC San Diego* *Present*

- Held office hours covering Python recursion, higher-order functions, function composition, object-oriented programming, interpreters, and data structures

Google Local Recommender using Cosine Similarity – *UCSD Datathon* *Spring 2019*

- Feature selected 3 factors (rating, distance, # reviews) after Exploratory Data Analysis
- Built a cosine similarity recommender to pair similar users and suggest new businesses

Universal React Stock App - Website *Summer 2018*

- React Web-App using both Client and Server-side rendering which allows loading with or without JavaScript enabled. Optimizes speed, usability, and SEO. Deployed on Heroku

Activities

Website Developer – Built website for two clubs using HTML, CSS(Bootstrap), and JS
Eagle Scout – Planned, proposed and lead project building an outdoor workstation at school
Options Investing Club Advisor – Organized lessons and info sessions, scheduled speakers