Jonathan Lin

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Education

University of California San Diego Expected Graduation: **June 2020**
B.S. in Data Science | Minor in Economics | Provost Honors Major GPA: 3.66

Experience

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

• Using React-Native, I created a feature which I integrated into Native Walmart Android/IOS apps. Implemented live order status tracking for car services which required barcode scanning, location tracking, caching, and UI/UX
• I created the Spring-Boot backend consuming store-level DataPower service databases and exposed an endpoint to allow fetching of customer statuses
• Rolling out to 2600 Walmart Auto Care Centers, potentially used by over 35 million customers per year affecting $600M in sales

Software/Data Analyst Intern – *Cazador Investments, LLC* *Sept 2018 - Jan 2019*

• Feature selected based on industry knowledge, cleaned, and classified 80k properties with 40 columns of housing data points. Used Sci-kit Linear 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 Lab Assistant 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

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

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

Design Frontier (Design Hackathon) – *Design at UCSD* – Slides *Spring 2019*

• Collaboratively designed a possible innovative solution to a design brief
• Utilized the large immersive screen to improve communication in virtual meetings

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 through Heroku app

Link Predictor and Simple Recommender *Winter 2018*

• Used C++, completed the weighted shortest path version of Pathfinder. Used an undirected graph of movies and actors to find closest linked and unlinked relationship between two actors

Obscuring an image with Spanning Tree – Paper – GitHub *Winter 2017*

• Generated shortest spanning algorithms, Prim's, to store information in a 2D arrays so that it is difficult to read/decipher. Used Java to create a program that uses a seed to obscure an image beyond recognition and store information within the layers

Skills

Languages – Java, Python, JavaScript (ES6), C/C++, HTML, CSS, Kotlin,
Frameworks & Tools – React and React-Native, Spring-boot, SQL, Express, Tableau, Webpack, Electrode Bridging, Android Studio, Git, Gradle, Maven, Agile/Scrum, Wireframes, UML, OkHttp, Android/IOS Development, Node, SonarQube, Looper

Activities

Website Developer – Built website for two clubs from scratch using HTML, CSS(Bootstrap), and JS
Options Investing Club Advisor – Organized lessons and info sessions, scheduled speakers