Tyler Rule

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19112 Callaway Circle
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Education

University of California, Santa Cruz - GPA 3.5

Computer Science, Bachelor of Science

March 2020

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Projects

Swing Trading Stock Market Bot
A machine learning bot that takes a stock and trains on previous stock history to predict the closing price for the following day. By utilizing market trends and technical indicators the bot aims to maximize profit. Used Python, RNN structure, and Keras.

Smart Calendar Android Application
Mobile Application used to help users improve time management and visualize tasks they must complete with daily budgets. Used Java and Android Studio.

RunnersMatch Web Application
A social networking web application that paired users with other runners in their area to help find training partners. Used HTML, CSS, Javascript, React, and Scrum Methodology.

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Experience

University of California, Santa Cruz / Student Technical Support Specialist I
September 2018-December 2018, ResNet
Assisted students with connecting to the campus network; conducted troubleshooting network and OS issues; performed technical support for students.

California Department of Parks and Recreation / Lifeguard I
June 2019 - Present, Bolsa Chica State Beach and Huntington State Beach
Detected and rescued persons and vessels in distress; initiated first aid and resuscitation procedures; taught ocean safety to the public

California Department of Parks and Recreation / Park Aide
April 2015 - June 2019, Bolsa Chica State Beach and Huntington State Beach
Performed routine public contact work; provided information to the public; staffed park entrance stations; handled all aspects of sales and transactions of various types of passes

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Relevant Courses

Artificial Intelligence - Python & Keras
Introduction to Computer Graphics - WebGL & Javascript
Mobile Applications - Java
Database Systems - SQL
Computer Systems and Assembly Language - Assembly
Principles of Computer Systems Design - C++
Comparative Programming Languages - Scheme, Ocaml, Perl, Prolog, Smalltalk
Introduction to Software Engineering - Scrum, React, Javascript
Introduction to Data Structures- Java & C
Algorithms and Abstract Data Types - Java
Introduction to Analysis of Algorithms - Java