Alexander L Wong

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WORK EXPERIENCE

Software Development Student Worker   *November 2019-March 2020*
Housing & Community Investment   *Los Angeles, CA*

- ❖ Designed a Windows Service on the company's intranet using their C#.NET framework to automize their collection processor, which would update their SQL database and send an acknowledgement letter to the collection agencies after receiving invoice documents from the Billing division
- ❖ Analyzed dozens of daily ServiceNow tickets from accountants and housing inspectors to adjust the SQL databases, recover lost data, and debug issues with the internal sites
- ❖ Troubleshooted connectivity issues between computers, credit card readers, cash drawers, and printers within the Point of Sale system

EDUCATION

California State Polytechnic University, Pomona   *August 2017 - May 2020*
Bachelor of Science, Concentration in Computer Science   Overall GPA: 3.62
Dean's List/President's List

LANGUAGES & SKILLS

- ❖ Java, Python, C/C++, C#, ASP.NET, SQL, JavaScript, Typescript, HTML/CSS, Ruby
- ❖ Angular, Ruby on Rails, MongoDB, Unix/Linux, NodeJS, Amazon Web Services, Git/GitHub, jQuery

COURSEWORK

- ❖ Software Engineering
- ❖ Big Data Analytics & Cloud Computing
- ❖ Machine Learning
- ❖ Computer Networks
- ❖ Compilers & Interpreters
- ❖ Object-Oriented Programming
- ❖ Design & Analysis of Algorithms
- ❖ Operating Systems

PROJECTS

- ❖ Relativity Resume: http://relativityresume.com/   *August 2019 –December 2019*
  - o Cofounder of an online web service that guides students into developing resumes by allowing them to lay out and store information about themselves on a well-formatted Microsoft Document
  - o Designed the project with Angular for a reactive web service where users are routed to different sections of their resume
  - o Constructed a database with MongoDB to provide user authentication for users to log in and save their information online
- ❖ National Health Data Analytics: https://bit.ly/2EfFhCM   *July 2019 – December 2019*
  - o Imported Python libraries and a dataset from Kaggle to visualize the data and analyze the overall health of 100,000+ Americans, including their blood pressure, medical issues, addictions, daily routines, etc.
  - o Communicated results from the models with college professors and proposed solutions for innovative health-related app and website ideas
- ❖ Multi-Client Chat Server   *November 2019-December 2019*
  - o Implemented a Java Multi-Threaded server program that handles multiple clients and allow them to send messages synchronously to one another
  - o Developed a client program that opens a Java swing GUI where users can send messages to other clients without a terminal
- ❖ Hair Segmentation Competition   *June 2019*
  - o Applied unsupervised learning onto a dataset of human facial images and their corresponding hair segmentation masks to train the model to detect hair segments on any image
  - o Achieved a 60% accuracy and was placed 4th in the competition