

SQL • Python • Java • JavaScript • HTML • CSS

Seeking to leverage my analytical and programming skills to join a team where I can continue to grow whilst providing value.

Education

University of California San Diego

San Diego, CA

B.S., Management Science (Applied economics), 2017

Relevant Coursework: Calculus, Differential Equations, Vector Calculus, Linear Algebra, Mathematical Reasoning, Game Theory, Introduction to Computer Science, Data Structures & Object-Oriented Design, Computer Organization & Systems Programming, Software Tools & Techniques.

Work Experience

Jan 2019 – Present

Strategic Insight – Enterprise Analyst

- Experience writing queries in both MySQL and MS SQL Server.
- Query our extensive relational database to design client requested datasets. Communicate with clients to assure intended datasets are achieved with data integrity.
- Troubleshoot database issues and engage in data feed transformation quality assurance.

Mar 2018 – Jan 2019

Strategic Insight – Data Analyst

- Revamped quarterly quality assurance project. Cut time to completion in about half.
- Rewrote SQL queries and improved runtime by over 80%, saving hours/days of work.
- Used Python to script/automate tedious excel work.

Jun 2016 – Jan 2018

UCSD Police Department – Officer In Charge

- Managed daily flow of CSO Program at UCSD-PD with 100+ employees.

Programming Experience

Personal Projects

- 2048 Game – Terminal
 - Implemented in Java with test-driven development using JUnit framework.
 - Board is printed on the terminal output and is updated after every user input.
- 2048 Game – Browser
 - Used logic from previous project and translated into JavaScript.
 - Mobile friendly. When viewed on a mobile device, user can use swipe gestures to move.
 - Board is a series of images populated onto a canvas and refreshed after every input.
- Jaimelovera.com (deployed)
 - Purchased domain and small server to deploy my personal website to serve as my portfolio.
 - Developed using HTML, CSS, JavaScript, jQuery and Bootstrap.
 - Responsive and fluid to account for all type of devices and screen sizes.
- Jaimelovera.com – Django Version
 - Used Django framework. Allowing use of admin and a modifiable database to hold projects.
 - Familiarized myself with Models, views, templates and URLs.
- Calorie Tracker Desktop Application
 - Implemented in Java and used JavaFX to create Graphical User Interface.
 - Ability to export generated data to an excel document using XSSFWorkbook.
- Concentration iOS App
 - Implemented in Swift using Xcode IDE.
 - Followed guidelines for Model-View-Controller architectural pattern.

UCSD Courses

- Introduction to Computer Science: Java
 - Classes, scope, inheritance, recursion, exception handling, effective coding standards.
- Data Structures & Object-Oriented Design
 - LinkedList, binary search tree, hashtable, sorting algorithms.
 - C pointers, memory management, running time analysis.
- Computer Organization & Systems Programming
 - Low-level programming, bit storing/reading.
 - SPARC architecture, the stack, bitwise operations, truth tables, logic gates.
- Software Tools & Techniques
 - Unix, Git, Vim/Emacs, Eclipse