Jaime Lovera

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Python • SQL • Java • JavaScript • HTML • CSS

Analytical field of study with additional coursework in Computer Science. Professional experience querying large relational databases with a focus on writing efficient, readable, and scalable code. Experienced programmer through the development of multiple portfolio applications.

Education

University of California San Diego   San Diego, CA
    B.S., Management Science (Applied Economics), 2017
    Additional Coursework: Introduction to Computer Science, Data Structures & Object-Oriented Design,
                Computer Organization & Systems Programming, Software Tools & Techniques.

Work Experience

Jan 2019 – Present

ISS | Institutional Shareholder Services – **Enterprise Analyst**
- Experience writing queries in both MySQL and MS SQL Server.
- Design and build Proof of Concept datasets/presentations.
- 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.

Mar 2018 – Jan 2019

ISS | Institutional Shareholder Services – **Data Analyst**
- Revamped quarterly QA project. Reduced time to completion by over 50%.
- Used Python to script/automate tasks.

Jun 2016 – Jan 2018

UCSD Police Department – **Officer In Charge**
- Managed daily flow of CSO Program at UCSD-PD with 100+ employees.

Programming Experience

Projects

- Django Finance Blog
  - Dynamic and responsive website built using Django framework. MTV architectural pattern.
  - Implemented admin features to be able to efficiently and seamlessly add posts.
  - Integrated mailing list
  - Deployed on small server and properly stores/serves files. Updatable through admin account.
- Jaimelovera.com (deployed)
  - Developed using HTML, CSS, JavaScript, jQuery and Bootstrap.
  - Responsive and fluid to adapt to different screen sizes.
- 2048 Game
  - Developed in Java first as a terminal game, then translated into js and embedded into website.
  - JUnit test-driven development
  - Mobile friendly.
- 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, hash-table, 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