(908) 300-7887
me@davidqsevilla.com
david-sevilla
DQSevilla

David Sevilla

Education

Aug 2019 – Dec 2020 **M.S. Computer Science**, *Stevens Institute of Technology*, Hoboken, NJ.

Aug 2016 – May 2020 **B.S. Computer Science**, *Stevens Institute of Technology*, Hoboken, NJ.
Minor in *Pure and Applied Mathematics*.
- GPA: **3.75/4.0**. Dean's list since Fall 2016.
- President of Upsilon Pi Epsilon (Computer Science Honors Society).

Experience

Jun 2019 – Aug 2019 **Software Engineer**, *JPMorgan Chase*, Jersey City, NJ.
Created a dashboard for weekly financial forecast validation.
- Augmented a **REST**ful web service with **Spring Boot** and **Hibernate**. `[Java, SQL]`
- Designed responsive web pages and modular components using **React**. `[JS]`
- Migrated the code base into distinct micro-services, and deployed with **Cloud Foundry**.

Jun 2018 – Aug 2018 **Software Engineer**, *JPMorgan Chase*, Jersey City, NJ.
Provided transparency for *calculation data* to users of a financial stress event simulator.
- Implemented a **Hadoop** big data pipeline using **Spark** and **Impala**. `[Python]`
- Created a **REST**ful web service in **Flask** and visual calculation tree. `[JS, Python]`
- Integrated code base with existing simulator project and services. `[Java, Bash, SQL]`

Sep 2017 – Present **Course Assistant**, *Stevens Institute of Technology*, Hoboken, NJ.
- Holding office hours, lab hours, and lectures, and both grading and designing assignments.
- Worked in both theoretical and programming-heavy computer science courses.

Projects

Spring 2018 **Virtual Memory Simulator**, *CS 492 Operating Systems*.
- Simulates various page replacement algorithms and general memory access.
- Designed efficient, extensible data structures to logically maintain memory state.
- Captured performance analytics and automated algorithm comparison testing.

Spring 2017 **Word Crimes**, *DuckHacks*, Stevens Hosted, Google and JPMorgan sponsored.
Hosted at imadethis.website/wordcrimes – *Code on GitHub*
- Challenging word association game that won *Best Overall*.
- Custom word vector clustering algorithm, built on top of Google's `word2vec`.
- Clean, minimalist, mobile-first front-end design.

Relevant Coursework

Computer Science Advanced Data Structures and Algorithms, Operating Systems, Concurrent Programming, Machine Learning, Agile Development, Relational Databases.

Mathematics Discrete Mathematics, Linear Algebra, Probability and Statistics, Abstract Algebra.

Skills

Languages Java, Python, C, JavaScript, OCaml, Bash, HTML, CSS/SASS, SQL

Frameworks Express, React, Spring Boot, Flask, NumPy, Pandas

Technologies GNU/Linux, Git, Node, Cloud Foundry, Hadoop, Spark, MongoDB