David Sevilla

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Education

Aug 2016 – May 2020 **B.S. Computer Science**, *Stevens Institute of Technology*, Hoboken, NJ.
Pursuing minor in *Pure and Applied Mathematics*.
- GPA: **3.8/4.0**. Dean's list since Fall 2016.
- Upsilon Pi Epsilon (CS honors society) member since Spring 2018.
- Activities: Computer Science, Hobby Robotics, Game Development clubs.

Experience

Jun 2018 – Aug 2018 **Software Engineering Intern**, *JPMorgan Chase*, Jersey City, NJ.
Provided transparency for *calculation data* to users of a financial stress event *scenario manager*.
- Implemented a Hadoop big data pipeline using Spark and Impala. [Python]
- Designed data sources and feature-rich Tableau dashboards.
- Created a visual calculation dependency tree. [HTML, CSS, JavaScript]
- Created a RESTful web service with Flask to link the dashboards with the tree.
- Integrated code base with existing projects and services. [Java, Bash, SQL]

Sep 2017 – Present **Student Course Assistant**, *Stevens Institute of Technology*, Hoboken, NJ.
- Holding office hours, lab hours, and lectures, and both grading and designing assignments.
- Courses: Intro to Web Development, Discrete Structures, Automata and Computation, Graduate Intro to CS/Data Structures and Algorithms.

Projects

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

Coursework

Computer Science   Data Structures and Algorithms, Advanced Algorithm Design, Operating Systems, Programming Languages, Concurrent Programming, Web Programming, Database Management Systems, Software Development Process (Agile).

Mathematics   Discrete Mathematics, Linear Algebra, Probability and Statistics.

Skills

Technologies   GNU/Linux, Git, Subversion, Hadoop, Spark, Flask

Languages   Java, Python, C, Bash, JavaScript, SQL, HTML, CSS