A L I   S P I T T E L

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EDUCATION

Bachelor of Arts Government (2016)
Hamilton College
3.5 cumulative GPA, 3.7 in major GPA. Participant in 2015 Spring Washington, D.C. program. Courses include Advanced Statistics, Regression, Python, Calculus, and C++.

RELEVANT EXPERIENCE

0ptimus Consulting, DevOps Engineer **(1.16-Present)** // Intern **(6.15-1.16)**
- Led backend development and contributed to front end development on the company's client facing data presentation application utilizing Django, PostgreSQL, D3.js, and data from multiple APIs.
- Sole developer on Django REST Framework, React, and Redux application that creates balanced stratified samples from datasets.
- Contributing engineer on multiple data analysis applications that process polling, TV viewership, and voter modelling data.

Hamilton College, Computer Science Teaching Assistant   **(9.14-12.14)**
- Helped students with projects in Python and C++ computer languages.

SKILLS

- **Python** – projects include recreating the game Flappy Bird and writing full stack Django applications. Experience with Pandas, Django, Django REST Framework.
- **JavaScript** – experienced with both front and backend scripting. Projects include a D3.js graph editor in React with a Meteor backend, creating dashboard style graphing frontends, and writing a file uploader for large CSV files with React and Redux.
- **C++** – recreated the Huffman encoding project and wrote a program that writes text in a similar manner to any inputted author.
- **Ruby** – Wrote multiple data ingestion and analysis systems for Ruby on Rails applications.

UNDERGRADUATE RESEARCH

Senior Thesis: Examining Political Gender Biases Through Twitter Data
Collected a database of over 600,000 Tweets and performed sentiment and other statistical analysis on it using Python. Created an application to display the data in addition to the written analysis.

Independent Study: The Need for Improved Computer Science Education in the American K-12 System
Taught and observed multiple computer science classes for students of differing ages. Developed a curriculum and completed a written analysis on how to make learning how to code more accessible.