LANE MILES

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EDUCATION:

Pomona College, Claremont, CA   *Expected Graduation: Aug. 1, 2017*

- BA, Computer Science
- GPA: 3.981
- Relevant Coursework: Data Structures & Algorithms, Intermediate Algorithms, Database Systems, Computer Systems, Introduction to Software Engineering, Computability and Logic, Linear Algebra, Discrete Mathematics

St. Albans School, Washington, D.C.   *Aug. 1, 2009 - May 1, 2013*

EXPERIENCE:

Quroum Analytics, Backend Data Engineer   *May 1, 2015 - Present*

- Designed and implemented a database model for candidates for federal office and their campaign finance disclosures
- Created custom API for, scraped, cleaned, and parsed tens of millions of records from the FEC
- Applied principles of Levenshtein distance to create a sentence-based edit distance heuristic with custom stop words
- Utilized Random Forest Classification to find connections in imperfect campaign finance data
- Reduced search time by a factor of 25 by rewriting large SQL queries and modifying underlying database structure

US House of Representatives, Congressional Intern   *Aug. 1, 2009 - Aug. 1, 2014*

- Replaced manual, Word-document based vote tracking with a PHP/SQL based web-app to automatically scrape and parse XML data on Congressional votes (used by Congressman John Delaney's office)
- Worked for the offices of John Delaney (MD-06) and Scott Peters (CA-52)
- Eliminated manual copy/paste news aggregation by creating a Chrome Extension for scraping and parsing local, state, and national news websites (used by Congressman Scott Peters' office)

SKILLS:

Techincal

- Natively Fluent: Python, Java, Django, C
- Conversationally Fluent: PHP, SQL, Objective-C, git, LaTeX
- Tourist: HTML, CSS, JavaScript, jQuery, Ruby on Rails, SML

Other

- Leadership (member of student judiciary, technical lead at Hackathons, captain of HS baseball team)
- Public Speaking

AWARDS:

Another Thing, Me   *Aug. 12, 2015*