Austin Piel

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Education

University of Maryland, College Park   *May 2019 (Expected)*

- B.S. Computer Science w/ Minor in Statistics
- 3.9 GPA (Major), 3.76 GPA (Cum)
- Presidential Scholarship, Departmental Honors, Dean's List

Technologies

- Front End: HTML, CSS, Javascript
- Backend: C, Java, Python, Ruby, Shell/Bash
- Data: MySQL, Postgres
- OS: Linux (Ubuntu), Windows
- Servers: Apache

Work Experience

Incoming Software Development Intern   June 2018

Appian Corporation

Resident Assistant   *August 2016 - Present*

University of Maryland Department of Resident Life

- Direct programs on health, relations, diversity, and social competence
- Respond to hall emergencies and document any building code violations
- Guide first-year students on university policies, campus resources, and personal issues
- Negotiate any conflicts that may arise between residents

Projects

Meeshquest (github.com/apiel51/Meeshquest)   *Spring 2018*

- Semester-long project for CMSC420 (Data Structures) with Professor Michelle "Meesh" Hugue
- Using Java, designed and implemented data structures in to store and represent vertices and edges on a 2-dimensional map
- Optimized sorting and access algorithms from $O(n)$ to $O(\log(n))$

Multimedia Database Aggregator (github.com/apiel51/MMDA-Project)   *Fall 2017*

- Using MySql, HTML, CSS, and PHP, extracted metadata from user-specified files which was then stored in a MySql database
- Optimized MySQL query speed by decomposing database schema into Boyce-Codd Normal Form
- Designed and implemented a Google Chrome extension that automatically parses and stores metadata for a webpage and all its elements