Palmer Paul

Software Engineer

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Please inquire for
additional contact info.

EXPERIENCE

University of Pennsylvania — *CIS 120 Teaching Assistant*   JANUARY 2017 - PRESENT

- Programming Languages and Techniques I is a course with over 300 students taught in Java and OCaml
- Material covered includes data representation, abstraction and modularity, test-driven development, etc.
- Lead hour-long, weekly recitation of approximately 20 students
- Grade homeworks and exams and hold weekly office hours

Sefaria — *Software Engineering Intern*   MAY 2016 - JULY 2016

- Developed a highly-requested feature to export proprietary documents called source sheets to Google Docs
- Implemented robust and reusable authentication logic using the OAuth 2.0 protocol
- Created an API endpoint in Django and wrote frontend code to display the feature in the user interface
- Transformed the source sheet data into a format suitable for Google Docs
- Used the Google Drive API to upload the file to the user's Google account

EDUCATION

University of Pennsylvania, Philadelphia, PA
Candidate for Bachelor of Science in Engineering   AUGUST 2016 - MAY 2020 (expected)

- Major in Computer Science with Minor in Mathematics
- Relevant coursework: Mathematical Foundations of Computer Science, Programming Languages and Techniques I, Programming Languages and Techniques II (Spring 2017), Introduction to Computer Systems (Spring 2017), Multivariable Calculus, Physics Principles I (Spring 2017)

Abraham Joshua Heschel School, New York, NY
High School Diploma   SEPTEMBER 2012 - JUNE 2016

- Instrumental in establishing the school's computer science program

PROJECTS

Processing Mobile   MAY 2015 - AUGUST 2015

- Authored and maintained a library for the Processing.js programming language
- Extended the language with support for touch events and reading from mobile device sensors
- Presented a demonstration on how to use the library at a conference at NYU ITP

LANGUAGES AND TECHNOLOGIES

Python; JavaScript; Java; OCaml; Processing; HTML/CSS; Twitter Bootstrap; OpenCV; Node.js

AWARDS

1st Place High School Division, Technion Innovation Challenge (April 2016): Designed and built a Rube Goldberg machine with a team. Independently compiled and edited footage of the machine into the submission video.