Pinhas Kevin Cohen

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Education

The Pennsylvania State University. University Park, PA — Expected Graduation: May 2017

B.S Computer Science. Mathematics Minor. — GPA: 3.68/4.0; Dean's List Fall 2013, Spring 2014, Fall 2014,Spring 2015

***OBJECTIVE**:* Looking to apply programming skills on a summer internship

Skills

Java, C, C++, JavaScript, SQL, HTML, Python, Ajax.

Spanish, English and conversational Hebrew.

Experience

Enterprise Application Technology Services Intern – AIG **Summer 2015**

- Main developer in implementing a solution to automate and facilitate weekly status reports within the company.
- First website implemented connected the html to a SQL server using java servlets. Data would be stored in a database.
- Generated Ajax GET requests to fetch data from the SQL server and display it on the required format on a second website.
- Used tomcat as a local webserver for testing purposes and Datapower to host the entire project on the company's network.
- Understood the overall architecture of the project, which led to close work with other teams such as database architects and database administrators to further implement the project.
    - Technologies applied: JavaScript, HTML, JQuery, Bootstrap, SQL, Ajax, Tomcat, Datapower.

Project Manager Developer Team: Qlikview automation project – AIG **Summer 2015**

- Worked with other interns to automate a manual process on how reports are generated within the company.
- Elected Project Manager of the development team. Project was divided into 4 teams.
- Responsibilities included: Importing data from SAP Business Objects to Qlikview, exporting data from Qlikview to Excel, displaying data on Qlikview in an organized and professional format.
    - Technologies applied: SAP Business Objects, Qlikview, VBA.

Networked low-level 3D printer driver **Spring 2015**

- Developed a low-level 3D printer driver in C.
- Printer capabilities include: Printing different materials, checking depth, moving nozzle, loading "printing models" from a file using low-level file I/O, and other features.
- Implemented network functionality with socket programing. Sent requests to server where printer options (turning on, moving etc.) would be implemented, and received responses from the server for further use. Gained a better understanding on sent and received network packets by analyzing them with Wireshark
- Efficiency was important; program ran under 8 seconds while average running time was 5 minutes.

GoogleJump Mentorship Program **Summer 2014**

- Global development with 2 other teammates and a Google Engineer mentor to build Web App heat map for sound.
- Created and executed a technical skill development plan.
- Use of Google Hangouts and Github to facilitate collaboration with the team.
    - Technologies applied: Google Maps API, HTML, JavaScript, Python, Flask micro framework, Mongo DB.

Academic Excellence Center, Engineering Department **Fall 2014**

- Mathematics tutor. Teaching students Calculus I, II, III, Linear algebra and Matrix algebra. 10 hours per week.

Relevant Coursework

- Computer Science 311- Systems Programming. Unix systems programming in **C**. Virtual Machines using Ubuntu. Understood efficiency in terms of time and memory. Strong understanding on client-server operations.
- Computer Science 221- Object oriented programming with web-based applications. Used Netbeans GUI to develop a "paint app". Created a scheduling appointment system using **SQL** for the database management and **Java** for the GUI.
- Computer Science 122- Intermediate Programming, Object-oriented programming, recursion, analysis of sorting algorithms, fundamental data structures such as Linked Lists, Hash Tables, Stacks, Queues and Binary Trees in **C++**.
- Computer Science 121- Intro to Programming Technology. Created Black Jack, Master Mind and Go Fish. **C++**.
- Calculus I, II, III. Linear algebra and Matrix algebra.
- AP Computer Science in High School led to proficient skills with **Java**. Made several projects such as the game Snake, the card game War, simulated an online store. Learned and applied skills to program a robot using **Python**.

Extra Curricular Activities

- Participated in CodePsu. Penn State Hackathon. Teams of 3 gather to solve logic and programming puzzles.
- Participated in HackPsu. A hackathon tailored to create apps or projects for 24 hours.
    - Started developing an app for the Pebble watch that schedules reminders for people that take medicines very often.
    - Kept the project going and currently working as a side project on my free time.
    - The app generates requests to a webserver containing information such as name of the pills, time and day using Ajax.
    - Users send information from an html page to the webserver using express.js and the information is then stored on Mongo DB. When the app makes the requests it will retrieve information for a specific user from the Mongo database.