Laurence Putterman

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EDUCATION

University of Pittsburgh
B.S. Computer Science, Spring 2017
University of Pittsburgh Scholarship

Thornton Donovan High School
Class of 2012, New Rochelle, NY

COURSEWORK

Computer Organization and Assembly
Intro to Systems Software
Algorithm Implementation
Formal Methods
Discrete Structures
Data Structures
Brain and Behavior

SKILLS

Languages
Python, JavaScript, PHP, Java,
HTML, CSS

Tools
JQuery, React, AngularJS, Ionic,
Laravel, Git, Adobe Photoshop

INTERESTS

User Experience Design, Machine
Learning, Natural Language
Processing, Electronic Music
Production

EXPERIENCE

Software Engineering Co-op, Savvior Technologies
Pittsburgh, PA | May – August 2016
Developed libraries for crawling files and websites, translating them, and uploading them to Apache SOLR. Created front-end UI components, corresponding admin areas, and a service to log user actions for the purposes of analysis and user notifications for a client.

Software Engineering Co-op, Savvior Technologies
Pittsburgh, PA | September – December 2015
Implemented production PHP code for projects using Laravel, Doctrine ORM, and SQL. Contributed to a client's web service administrator portal. Independently produced a hybrid mobile application for a client using Ionic Framework and PHP for the backend API services.

Software Engineering Intern, Zen Digital
New York, NY | March 2015
Built a Google Chrome extension to access the Google Drive API and Google Picker API to save bookmarks to a user's Drive account. Became familiar with JavaScript and learned to navigate Chrome's security over the course of this two week project.

Business Analyst Intern, Javelin Capital Markets
New York, NY | July – August 2014
Constructed flowcharts, UI mockups, and specification documents for new features to be implemented in the Javelin SEF software platform. Assisted in developing Voice RFQ, a feature allowing traders to request quotes on products from within the platform. Communicated with the business and technology teams to research user needs and feasibility.

HONORS

TouchTone, Grand Prize Winner, Red Bull Hack the Hits 2016
Created a MIDI instrument out of "thinpot" sensors, an Arduino and a Leap Motion. The Arduino sends data to a custom Max for Live patch that controls the output of sound, while the Leap Motion allows the user to modulate effects by changing hand gestures.

Shoe-In, Grand Prize Winner, Hack Grand Central Tech 2015
Platform enables non-profit organization donors to see the direct impact of shoe donations. Efficacy of the organizations being donated to is tracked over time, requiring a higher degree of accountability.