Alan Plotko

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EDUCATION

Binghamton University, State University of New York - Watson School of Engineering   **Expected May 2017**
Bachelor of Science in Computer Science
GPA: 3.18/4.00, Leadership Certificate, Dean's List: Fall 2013

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, SQL, C#, PHP   **Frameworks:** Bottle, Bootstrap, Foundation, ASP.NET, Django
Databases: MySQL, MongoDB, Oracle   **Technologies:** jQuery, HTML, CSS, WordPress, Android

PROJECT EXPERIENCE

HackBU Hackathon, "Play Bits" - Binghamton University   **Binghamton, NY**
Android Developer   **April 2014**
- Collaborated on a team of four in conceptualizing and building a game for the Pebble smartwatch platform
- Developed an Android application to facilitate multiplayer matches by using Bluetooth technology to enable communication between Pebble smartwatches

BitCamp Hackathon, "Am I Productive?" - University of Maryland   **College Park, MD**
Full Stack Web Developer   **April 2014**
- Designed a model for a platform that gamifies productivity by quantifying work as a score and constructing a web traffic report in real-time with the data received from an OpenWrt router and a proxy
- Developed an award-winning web application using Python and the Bottle Framework to follow the model and display the score, report, and other game elements; increased productivity in and out of the workplace by encouraging the end user to work harder

PROFESSIONAL EXPERIENCE

Oil Price Information Service, Axxis Software Division   **Gaithersburg, MD**
Software Development Intern   **May 2014 to August 2014**
- Facilitated internal management of over 50 customer accounts by using JavaScript, C#, and SQL to build administrative modules for a Backbone web application, to write new web services to interact with databases, and to expand the REST API
- Minimized time spent for database calls within an ASP.NET web application by using C# to replace older services used by petroleum marketers for managing customers and tracking customer purchases in the refined products industry

Department of Computer Science, Binghamton University   **Binghamton, NY**
Webmaster   **January 2014 to Present**
- Maintained the website by updating faculty and staff listings, creating professor pages, posting current student accomplishments, rewriting and cleaning template code, and adding announcements
- Designed and tested strategies to improve website listings on search engines through search engine optimization (SEO); implemented strategies for SEO by developing a standard for metadata across all department pages

Evolutionary Studies Program, Binghamton University   **Binghamton, NY**
Web Developer   **November 2013 to Present**
- Enabled Binghamton Microcosm students to present coursework online by using PHP, SQL, and WordPress to develop a course website; additionally taught students the basics in WordPress administration, publishing posts, and uploading media files
- Revamped and completed maintenance on various websites operated by the program through tightening security to prevent SQL injection and other attacks, and keeping third-party tools up to date

Applause Inc., Software Testing Marketplace   **Brooklyn, NY**
Quality Assurance Software Tester   **May 2011 to Present**
- Uncovered over 50 bugs through functional testing in various products across more than 25 companies, ranging from startups to global enterprises; provided reviews and feedback on product usability, user interface design, and user experience
- Received a proven rating for placing within the top 35% of testers in functional testing for desktop, web, and mobile applications

LEADERSHIP EXPERIENCE

Association for Computing Machinery, Binghamton University Chapter   **Binghamton, NY**
Vice Chair, Web Developer, Webmaster   **September 2013 to Present**
- Organized semimonthly member meetings where volunteers gave presentations on various subjects in computer science, and organized semimonthly board meetings in which chapter leaders planned events and programming competitions
- Enabled the board to efficiently communicate information to prospective and current members by introducing marketing tools such as MailChimp and using PHP, SQL, and WordPress to build a website for displaying chapter news and events

Undergraduate Admissions at Binghamton University   **Binghamton, NY**
Student Ambassador   **September 2013 to Present**
- Increased interest in Binghamton University and the undergraduate computer science program by speaking with high school students and counselors about computer science courses, student activities, relevant clubs and organizations, and campus life