
John (Joey) Wilson

West Chester, PA 19382
484-354-3149
johnjwilson96@gmail.com
jresumes.com

Education

Drexel University Philadelphia, PA
BS/MS in Computer Science with Honors Anticipated Graduation: June 2020
Concentrations in AI and HCI **Cumulative GPA: 3.81**
Minors in Business, Finance, CDSCI, Math, and Psychology

Industry Experience

Woodward McCoach, Inc. (WMI) West Chester, PA
Software Engineer September 2018 – March 2019

- Automated a gap in production to generate MAC addresses. (Python)
- Developed client side of system, through iterative process, to load firmware onto board over Ethernet. Load, dump, list, and initialize were functional requirements. (C)
- Aided in debugging hardware and software issues. (C)
- Created interface command to read fault log, restricted to 2500B. (C)

Unisys Malvern, PA
MCP Security Developer September 2017 – March 2018

- Researched, designed, implemented, tested, and documented implementation of Microsoft AppLocker technology as a feature into next release of flagship product. (PowerShell)
- Developed a C++ program to validate and compare proprietary AES-XTS-256 encryption code to commodity implementation (OpenSSL).
- Researched network protocol fuzzing for proprietary protocols

Analytical Graphics, Inc. (AGI) Exton, PA
Software Developer September 2016 - March 2017

- Collaborated with a team of 4 on scalability extension (allows for use of Parallel Computing) of flagship product, Systems Tool Kit (C#)
- Updated simulator to aid in functional and stress testing of WebApp (C#)
- Refactored Python API to follow standard python conventions and provide proper documentation (Python)
- Continued development of WebApp for better display of tray applications (JSX, Meteor, ReactJS)

Academic Project Experience

Dragon Carts Drexel University
Project Manager January 2016 - Present

- Led a team of 4 to design and release iOS and Web applications for Drexel's food trucks
- Oversaw development to ensure quality and consistency between members
- Resolved issues that inhibited app development and ensured all phases were completed under specified timeline
- Supported development of the WebApp (HTML, CSS, JavaScript, jQuery, MySQL)

Relevant Coursework

High Performance Computing	Software Design and Engineering	System Architecture and Programming
Dependable Software Systems	Artificial Intelligence	Machine Learning
Data Mining	Web and Mobile App Development	Computing in Small
Database Management	Test Driven Development	Corporate Financial Management

Skills

Software: **C, Python**, C++, C#, CSS, HTML, Java, JavaScript, MySQL; Visual Studio, Eclipse, git, Unix; Office Suite

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Honors and Awards

Dean's List, Drexel University, 2015-Present
AJ Drexel Scholarship, Drexel University, 2015 - Present
Spellman Humanitarian Award, West Chester Area School District, 2015

Activities

Upsilon Pi Epsilon (UPE) - Honor Society, Treasurer
Captain, Henderson High School Wrestling Team (Over 100 Career Wins), 2014-2015
Pennsylvania All-Academic High School Wrestling Team; First Team Selection 2013, 2014, 2015

See website (jresumes.com) for additional details