

Joshua Wilkes

410 Lanning Road Honeoye Falls, NY
Email: joshdwilkes@gmail.com
Mobile: 585-749-1527

Objective:

To gain experience and knowledge of software engineering through internship employment. Available May – August 2017.

Education:

Clarkson University Potsdam, NY

September 2014 - Current

Major: Computer Science

expected May 2018

Minor: Mathematics

Relevant Courses:

Computer Science 1-2

Programming Languages

Computer and Network Security

Cryptography

Advanced Programming Concepts in Java

Computer Organization

Algorithms and Data Structures

Calculus 1-3

Software Design and Development

Differential Equations

Skills:

Programming Languages: Java, JavaScript, C++, HTML, CSS, SQL, Python, Racket, Prolog, LaTeX

Operating Systems: Windows 7, 10, Debian, Ubuntu, Fedora

Applications: Eclipse, JIRA, Git, Subversion, Maven, ThingWorx, JMeter, PostgreSQL, MySQL, Vim, MATLAB

Academic Projects:

CS350 - Software Design and Development – Served as the scrum master for a semester long group project developing a java based web application for a customer at Dresser-Rand. The web application was designed to track and manage employee tasks and provide statistics based on usage.

CS242 - Advanced Programming Concepts – Advanced object oriented programming with emphasis on team design and version control. Covered topics such as inheritance, multi-threading, graphical user interfaces, polymorphism. Team project involved design and implementation of a multi-threaded sound synthesizer application using JavaFX and Java Swing.

CS457 - Computer Network and Security – An individual project that required the creation of a Linux based “HoneyPot” server outside of a firewall using python script. Project required analysis of the different threats encountered, logging source IP numbers and attempted user IDs and passwords.

CS341 - Programming Languages - Used Racket and Prolog programming languages to solve problems like Abbott and Costello’s who’s on first and implemented several sorting algorithms.

FIRST Robotics (2011-2012) – Active member of the HFL team that competed in Monroe County FIRST Robotics.

Work Experience:

PTC, Fairport, NY

SLM Summer Intern (2017) – Servigistics Product Development

- Integrated a more memory efficient javascript widget into ThingWorx Asset Monitor Product. Ran in browser tests to determine the memory performance of the ThingWorx Extension. Fixed frontend styling.
- Wrote integration tests for ThingWorx services used in the Asset Monitor Product.
- Enhanced the maven build process by adding a plugin to include CheckStyle.

SLM Summer Intern (2016) – Servigistics Product Development (IoT)

- Developed a java based ThingWorx extension to provide an interchangeable underlying data storage model for the PTC Remote Service Product. These new extensions enabled the product to use PostgreSQL to persist data, which resulted in improved performance and scalability.
- Wrote and executed JMeter performance tests to simulate running the application under load of multiple users.
- Enhanced the maven build process by adding a plugin to include FindBugs.

Mendon Meadows Market Place, Mendon, NY

Front Desk Manager (2013-2015)

- Supervise cashiers, count money, customer service, sell lottery tickets, keep office organized and running efficiently.

Cashier (2012-2013)

- Cash customers out, stock shelves, retrieve carts, and clean