Samuel Maphey

Computer Engineer   315-955-5291   sammaphey@yahoo.com   150 Ward Street Watertown, NY 13601

Work Experience

Internship: NASA Glenn Research Center, Cleveland Ohio (Fall 2016 - Spring 2017)

- Constructed data management tools for use in NASA Glenn's materials information management system. Involved building a graphical user interface through Jupyter Notebook along with an API for use in a materials engineers workflow. Resulting in the publishing of a technical memorandum along with references at 1 conference.
- Development of a web-application using Angular UI, using Agile as the development method. Resulting in two applications. One that automated the tracking of employees to foreign countries. Another that facilitated the creation of an awards system that helped anyone from end user to administrator manage, create and vote on nominees for awards.

Education

B.S in Computer Engineering: Clarkson University (Spring 2019) GPA - Not yet attended

A.S in Computer Science: Jefferson Community College (Fall 2015) GPA - 3.12

A.S in Mathematics: Jefferson Community College (Spring 2017) GPA - 3.12

Volunteer Experience

Mentor

- Tutored students from local elementary and middle schools on how to build robots for the FIRST Lego League competition at Clarkson University
- Judged the final competition at Clarkson University and rated the teams based on their programming knowledge and ingenuity
- Mentored students at Fairview Park Library in North Olmsted, Ohio on challenges tasked to them by NASA engineers and scientists

Volunteer

- Helped with planning and logistics of designing and implementing a Space elevator challenge for children in middle-high school at NASA Glenn's Young Astronaut Day
- Engineering and Computer Science volunteer for Super Science Saturday community event
- Volunteer help for Spaghetti Bridge competition at Jefferson Community College
- Assisted NASA engineers at NASA Glenn's Space App Challenge

Honors/ Leadership Positions

- National Honor Society Member. (2012 - 2014)
- Dean's List, GPA 3.57. (Fall 2015)
- President's List, GPA 3.84. (Spring 2016)
- Recipient Clarkson Leadership Scholarship. (May 2016)

Software Skills

- Experience developing software using agile methodology. Involved the use of Git as our version control system and JIRA as our project management tool
- Worked with Java to create data storing types such as stacks, queues and trees
- Experience developing web-applications using angular and bootstrap frameworks to create an interactive single page applications