Samuel Maphey

315-955-5291 | sammaphey@gmail.com 101 Gould Street | Brownville, NY | 13615

EXPERIENCE

Software Engineer, Lawrence Livermore National Laboratories, Livermore, California

June 2019 - Present

- Designed, implemented, and deployed a full stack web application utilizing Angular, Fast API, Marklogic, Docker, and Gitlab CI
- Technical lead for the project and major contributor since the project's inception.
- Designed and developed numerous other APIs for use in laboratory work utilizing Flask, Fast API, and Docker

Full Stack Intern, Lawrence Livermore National Laboratories, Livermore, California.

June 2018 - June 2019

- Lead developer on a full stack application that used Angular, Node.js, and Marklogic
- Aided laboratory scientists in searching and curating scientific testing data
- Final presentation that displayed the power of inputting scientific data into a database and showing the strength of search that Marklogic provides

Web Application Development (Remote), Air Force Research Lab, Dayton, Ohio

September 2017 - May 2018

- Integrating software previously developed through NASA with AFRL's HyperThought™ project
- Assist in the design and implementation of the HyperThought™ project
- Write unit tests through Selenium to ensure the projects UI meets with planned functionality

MEAN Stack Web Development Team Lead, NASA Glenn Research Center, Cleveland, Ohio June 2017 - August 2017

- Distributing and assigning tasks to new interns on projects
- Developed a highly capable and robust backend that enabled the retrieval and storage of data from many different applications
- Resulted in: the starting and continued development of three single page web applications that use the MEAN stack, presentation at AIAA SciTech conference, and the aforementioned internship

EDUCATION

Clarkson University, Potsdam, NY (3.7/4.00)

May 2019

Bachelor of Science, Computer Science

Jefferson Community College, Watertown, NY (3.15/4.00)

Associates of Science, Computer Science

Jefferson Community College, Watertown, NY (3.15/4.00)

Associates of Science, Mathematics

May 2016

December 2017

RELEVANT SKILLS

Languages and Libraries

- Python, TypeScript, JavaScript, CSS, Bootstrap, HTML, Angular Material UI
- Jasmine, Selenium, PyTest
- MATLAB, C++, Java, Assembly

Frameworks

 MEAN (MongoDB, ExpressJS, Angular 2, NodeJS), Ionic, Marklogic, Fast API

Other (design patterns, development practices, etc.)

- MVC, SDL, RESTful API design
- Version Control Systems and Workflows
- Docker, Gitlab CI

VOLUNTEER/LEADERSHIP EXPERIENCE

NASA

Intern Team Lead
Young Astronaut Day (Vol.)
November 2016

• Space Apps Challenge (Vol.) April 2017

Big Data Meet Up Group (Presenter) April 2017

Clarkson University

President's List (GPA 4.0)
Leadership Scholarship
April 2016

Jefferson Community College

President's List (GPA 3.84) May 2016

Dean's List (GPA 3.57)December 2015