Samuel Maphey

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150 Ward Street | Watertown, NY | 13601 (Permanent)
564 Sissonville Road | Potsdam, NY | 13676 (Current)

EDUCATION

Clarkson University, Potsdam, NY **May 2019**
Bachelor of Science, Computer Engineering
Jefferson Community College, Watertown, NY (3.15/4.00) **May 2016**
Associates of Science, Computer Science
Jefferson Community College, Watertown, NY (3.15/4.00) **December 2017**
Associates of Science, Mathematics

EXPERIENCE

Web Application Development (Remote), **Air Force Research Lab,** Dayton, Ohio **September 2017 – May 2018**
- Integrating previously designed software into the Hyperthought Project
- Goals being to implement the data type registry that I built through NASA Glenn

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, a reference at the Materials Data Management Consortium (MDMC) Summer 2017 meeting in Dayton, Ohio, and the aforementioned internship

Web Development, **NASA Glenn Research Center,** Cleveland, Ohio **January 2017 – August 2017**
- Initiated a joint effort to create and manage single page web applications at NASA Glenn's Office of Information Technology
- Began the development of two MEAN stack web applications for the Office of the Chief Information Officer and the Office of Protective Services
- Continued development of multiple web applications, presentation to the Chief Information Officer

Software Development Intern, **NASA Glenn Research Center,** Cleveland, Ohio **August 2016 – May 2017**
- Design and fabrication of an application that facilitated the use of the Material Division's GRANTA Material Intelligence SDK
- Aided materials engineers by integrating API functions directly into their MATLAB workflows
- Application was referenced at the MDMC Winter 2017 Conference in Los Alamos, New Mexico

RELEVANT SKILLS

Languages (ordered most skilled to least)
- JavaScript, TypeScript, CSS, Bootstrap, HTML
- Python
- MATLAB, C++, Java, Assembly

Frameworks
- MEAN (MongoDB, ExpressJS, AngularJS(2), NodeJS

Other (design patterns, development practices, etc.)
- Model View Controller
- Version Control Systems (Git)
- JIRA, Agile ADTs (Stacks, Queues, Trees)

VOLUNTEER/LEADERSHIP EXPERIENCE

NASA
- Young Astronaut Day (Vol.) **November 2016**
- Space Apps Challenge (Vol.) **April 2017**
- Big Data Meet Up Group (Presenter) **April 2017**

Clarkson University
- First Lego League (Mentor) **December 2015**
- Leadership Scholarship **April 2016**

Jefferson Community College
- President's List (GPA 3.84) **May 2016**
- Dean's List (GPA 3.57) **December 2015**
- Spaghetti Bridge (Vol.) **November 2015**