**Samuel Maphey**

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150 Ward Street | Watertown, NY | 13601 (Permanent)

564 Sissonville Road | Potsdam, NY | 13676 (Current)

**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

**EDUCATION**

**Clarkson University,** Potsdam, NY **May 2019**

*Bachelor of Science, Computer Engineering*

**Jefferson Community College,** Watertown, NY **May 2016**

*Associates of Science, Computer Science*

**Jefferson Community College,** Watertown, NY **May 2016**

*Associates of Science, Mathematics*

**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**