Timothy Mathison

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Education

Bachelors of Computer Engineering	***Graduated May 2018***
Bachelors of Electrical Engineering	***Graduated May 2018***
University of Minnesota, Minneapolis, Minnesota; *GPA: 3.73*	(Fall 2016 – Spring 2018)
Associates of Arts in Liberal Arts, Emphases in Engineering	***Graduated May 2016***
Ridgewater College, Hutchinson, Minnesota; GPA: 3.94	(Fall 2012 – Spring 2016)

Computer Skills

Programing Languages/Frameworks:
- JavaScript, ReactJS, AWS, Java, Scala, Apache Spark, Groovy, Python, C#, ASP.NET, MVC, C, Assembly, Unix, HTML, CSS, JSON, SQL, JQuery, PLC Ladder Logic.

Software:
- Git, JetBrains IDEs (WebStorm, PyCharm, etc.), Jenkins Eclipse, Microsoft Visual Studio, Microsoft SQL Server, Microsoft Access, Android Studio, Atmel Studio, MATLAB, MPLABX, Altium, PSpice, RSLogix, AutoCad, Microsoft Office.

Employment

Optum Technology (United Health Group), **Eden Prairie, Minnesota**   **(Jun. 2017 – Present)**
Software Engineer – Big Data DevOps   (Jun. 2018 – Present)
- Lead the implementation of Continuous Development/Continues Integration processes.
- Developed Jenkins pipelines in code form to simplify and streamline testing and delivery.
- Guided the team in the adoption and implementation of Git/Github development best practices.
- Designed and implemented a database testing framework for the Big Data environment.

Software Engineering Intern: (Jun. 2017 – Aug. 2017)

- Worked with a team of four other interns designing and building a web analytics platform.
- Designed and built the data handling platform in a server-less manner using AWS (Amazon Web Services) cloud computing architecture.
- Implemented the user interface design with ReactJS.
- Optimized the data (gathering and display) for use by analysts to drive key usability and business decisions.

Midwest Tech Restoration, **Minneapolis, Minnesota**   **(Sep. 2016 – Mar. 2017)**
Repair Technician:

- Perform repair work and maintenance on damaged and broken electronic devices.

Accelerated Innovations, **St. Paul, Minnesota**   **(May 2016 – Sep. 2016)**
Software Engineering Intern:

- Assisted in web development of software which analyzed and displayed data pertaining to utility energy usage.
- Exercised problem solving skills to discover and fix bugs within software.
- Developed more efficient and sophisticated code to process data and increase the performance of the associated web site.
- Collaborated with the development team while working independently on individual tasks.

Ridgewater College, **Hutchinson, Minnesota**   **(Oct. 2014 – May 2016)**
Physics and Computer Programming Tutor

Leadership and Extracurricular Involvement

University of Minnesota Formula SAE Team   **(Sep. 2016 – Present)**
Electrical Sub-Team – Software Engineer:

- Worked on the development of embedded software which controls the distribution of electrical power to various systems on the car and handles data transmission over a CAN network.

Ridgewater College Student Senate   **(Sep. 2014 – Jun. 2016)**
Senate President   (Sep. 2015 – Jun. 2016)

- Administered Senate business and coordinated the various activities and projects of the Student Senate to lead it towards its goals, and develop the leadership skills of myself and other senators.

Senate Director of Public Relations   (Jan. 2015 – Sep. 2015)

Minnesota State College Student Association   **(Jul. 2015 – Jun. 2016)**
Platform Committee Representative

- Provided regional leadership and representation for students, while presenting ideas for the organization's platform document.

Awards and Honors

Phi Theta Kappa Member   **(Mar. 2014 – Present)**
University of Minnesota College of Science and Engineering Transfer Scholarship   **(2016-2017)**
Minnesota State College Student Association Leadership Scholarship   **(Fall 2015, Spring 2016)**
Gordon and Marie Hackborn CSE Scholarship   **(2017-2018)**