

Alexander Muchow

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Objective

Obtain a full time position in the field of software development beginning in May 2016.

Education

South Dakota School of Mines & Technology

- B.S. Computer Science May 2016
- Current GPA: 2.7

Programming

- Languages: C++, PHP, Java, Python, C#, MySQL, HTML, CSS, JavaScript, JQuery, and ARM Assembly.
- Notable Courses: Computer Vision, Artificial Intelligence, Software Engineering, and Mobile Computing.

Work Experience

Software Development Intern Perfect Memorials LLC, Eden Prairie, Minnesota May 2014 – Present

- Software Development using PHP, MySQL, HTML, CSS, JavaScript, and JQuery. Maintained and extended legacy code.
- Working with international developers to drive feature requests to implementation. This includes reviewing code and occasionally addressing critical code errors that were pushed to production.
- Developed software to assist with Physical Inventory. This was focused on improving the process of taking inventory. We outlined our requirements and put them into sprints in order to get the minimum viable product.
- Rebuilt a website that was broken during a server move. This included updating outdated code, improving efficiency in the code, improving the user interface, and adding features to the site.
- Working with a database, running various queries for business reports, as well as extending the database for projects.
- Currently developing a digital signage system on the Raspberry Pi 2, from which an individual will be able to manage all of the Pi's from a web interface to control what will be shown on them.

Residential Assistant Residence Life: South Dakota School of Mines & Technology August 2014 – Present

- Using communication and leadership skills to assist students in their transition to college.
- Coordinating with other Resident Assistants to plan and host activities to engage our students.

Microsoft Student Partner Microsoft: South Dakota School of Mines & Technology September 2013 – Present

- Coordinating with Microsoft Employees and other Microsoft Student Partners from around the country to plan and host events to promote Microsoft, both locally and remotely.
- Instructing students on how to develop apps for Windows 8, Windows Phone, and to develop with IoT hardware.
- Attended //BUILD 2015 and learned about Microsoft's technologies and how to develop for them.

Volunteer Work

Orphanage in Zacatecas, Mexico February 2011 – Present

- Experiencing a different cultural perspective firsthand, while working with a missionary to meet needs around an orphanage and church.

Hour of Code January 2015

- Coordinating and hosting an Hour of Code event at my hometown high school. Hour of Code includes teaching younger students how to do basic programming and generally teaching them about the field of Computer Science.

Activities

Finance Committee Student Senate April 2013 – Present

- Committee Chair April 2014 – April 2015
- Allocating \$1.5 million to various school entities and student organizations annually.
- Communication with student organizations in regards to their finances as well as meeting with them to discuss the annual requests.

Vice President Mines Gaming Network

January 2013 – May 2015

Secretary Student Program Board

January 2014 – February 2015