



Jonathan Opdahl


Phone: (612) 978-7404 | Email: jopdahl12@gmail.com
Website: whatsopdahl.com

Education


Bachelor of Arts, *Luther College*, Decorah, IA 2017
Majors: **Computer Science**(3.97/4.0) and **Mathematics**(3.96/4.0) GPA: **3.93/4.0**
Honors:

- Suma Cum Laude
- Phi Beta Kappa Member
- Pi Mu Epsilon Inductee

Software Engineering Experience

Software Engineering June 2017– Current
 *Innovative Software Engineering*
Division: Professional Services Coralville, IA

- Designed and implemented a secure, custom Single-Sign-On solution for an eFleetSuite customer using C#
- Designed and developed a web-application with Angular4 and Socket.io to display data relayed from a remote vehicle in real-time, acting as the technical lead
- Implemented and tested a windows service that published significant system events to a remote queue for customer consumption using RabbitMQ
- Worked collaboratively in a Scrum-based agile framework

Software Engineering Intern May 2015 – May 2017
 *Division: Cloud*
Product: Cloud Managed Services Rochester, MN

- Developed a full-stack, user-friendly internal web application using DB2, Java, WebSphere Application Server, and Angular JS
- Secured application server with access to confidential data
- Presented current projects to the target customer, development team, and executives
- Documented application deployment and project development
- Wrote bash scripts to facilitate database population
- Ported existing bash installation scripts to a web-based installation wizard

Research Experience

JCoCo Research Project Jan 2017 – Feb 2017
Luther College Computer Science Department Decorah, IA

- Interpreted existing C++ code in a large application
- Developed a working prototype from scratch, providing extended functionality from the existing implementation in Java

Senior Research Project: Luther Course Proposal Sept 2016 – May 2017
Luther College Computer Science Department Decorah, IA

- Designed an application framework to meet the needs of faculty when submitting course proposals
- Developed a full-stack web application using MongoDB, AngularJS, and Java streamlining the course proposal and approval process at Luther College
- Currently in use for the 2017 academic school year

Additional Experience

Math Lab Faculty Assistant Sept 2014 – May 2016
Luther College Math Department Decorah, IA

- Reinforced mathematical concepts to students with diverse academic skills and backgrounds
- Managed students in a classroom setting to facilitate learning

Tutor

Oct 2013 - May 2016

Luther College SASC (Student Academic Support Center)

Decorah, IA

- Planned and taught individual sessions correcting misconceptions and strengthening understandings of mathematic concept

Relevant Skills

Languages

- JavaScript, Typescript, Java, C++, HTML5, HTML, Sass, CSS, CSS3, MySQL, SQL Server, MongoDB, DB2, Bash, Python, C#, Node.js

Frameworks

- Angular2-4, AngularJS, .NET

Version Control

- Rational Team Concert, GitHub, GitLab, Source Tree

Operating Systems

- Linux Server, Ubuntu, Mac OS X, Windows 7, Windows 10

Office Software

- Microsoft Office Suite, Libre Office Suite, Prezi

Extracurricular Activities

Athletics

- Luther College Varsity Baseball Team
 - 2nd team All-IIAC 2016

2013 - 2017