Jonathan Opdahl

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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
- Designed and developed a web-application to display data relayed from a remote vehicle in real-time, acting as the technical lead
- 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 Java 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

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, Bash, Python, C#

Frameworks
- Angular2, 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, Libre Office, Prezi

Extracurricular Activities

Athletics
- Luther College Varsity Baseball Team   2013 – 2017
  - 2nd team All-IIAC 2016