

Robert Laskowski

(262) 309-4205

10155 Greenbrier Road, Apt. 200, Minnetonka, MN 55305

www.boblaskowski.com • laskowsr@augsborg.edu

EDUCATION

Bachelor of Science, Augsburg University, Minneapolis, MN

Expected: May 2018

Majors: Computer Science, Mathematics

GPA: 4.0

Honors: Regent's Scholarship, Dean's List

INTERNSHIP EXPERIENCE

Software Development Intern, US Bank, Richfield, MN

May 2017 – Present

- Work on the Web and Mobile Solutions Team implementing new RESTful web services in Java including key/value storage service for text or files with user-level administration using internal REST framework
- Assisted in implementation of a workspace reservation system and integration into internal mobile application, designed and created real-time dynamic name-place system using Raspberry Pis and E-ink screens
- Implemented a proof-of-concept cross-platform mobile application in C# using the Xamarin framework

Software Development Intern, InSitu Technologies, Inc., St. Paul, MN

Oct. 2016 – April 2017

- Develop, debug and document existing C# application that interfaces between Microsoft Access and QuickBooks
- Maintain, organize and write new queries for Microsoft Access Database
- Manage company server and local intranet for all employees to facilitate efficient workflow

Software Engineering Intern, EXB Solutions, Inc., Hopkins, MN

June 2016 – Aug. 2016

- Supported test engineers in testing safety-critical software for aircraft operating system
- Wrote test scripts for structural, branch, robustness and MCDC testing of code written in C and ADA
- Studied the software development lifecycle including requirements, design, construction and testing

RESEARCH EXPERIENCE

Equilibrium Statistics of a Vortex Filament

Sept. 2017 – Present

- Computing lowest energy states of self-avoiding walks on a 3D cubic lattice using numerical methods including MCMC and pivot algorithm to understand behavior of fluids in a vortex
- Awarded grant from undergraduate research office at Augsburg to complete the project
- Using scientific Python libraries such as Numpy and Numba to make computations as efficient as possible

Introduction to Parallel Processing with Eight Node Raspberry Pi Cluster

Nov. 2016 – April 2017

- Managed a team of three fellow students in building the cluster, conducting experiments and analyzing results
- Configured all networking and Linux environments for parallel processing, wrote bash scripts for automation
- Submitted 15-page formal research paper to Midwest Instructional and Computing Symposium (MICS) 2017, won second place for best undergraduate research paper

TECHNICAL SKILLS

- Experience with following programming languages: Java, JavaEE, RESTful Web Services, Spring/Spring-Boot, SQL, Python, C#, JavaScript, Angular, HTML, CSS/Bootstrap, MATLAB/Octave, R
- Familiar with RESTful Web Services, Git, relational databases, Visual Studio, Xamarin, IntelliJ, PyCharm, Eclipse, Windows, Macintosh, Linux, unit testing
- Designed and maintain two websites: www.orthandlaskowskisc.com and www.boblaskowski.com

LEADERSHIP EXPERIENCE

- President of Association for Computing Machinery (2016-2018): Organize programming for weekly meetings on topics outside of regular computer science curriculum, coordinate attendance of hackathons and programming competitions, promote sharing of computer science knowledge between students
- President of Mathematics Club (2016-2018): Secure funding and plan events for mathematics students, coordinate attendance of problem solving competitions and annual intercollegiate math events
- Eagle Scout: Highest attainable rank in Boy Scouts of America