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EDUCATION

St. Olaf College, *Bachelor of Arts in Mathematics and Computer Science. Anticipated Graduation: May 2021* GPA: 3.89/4.0
Relevant Courses: Mobile Computing Applications, Software Design, Algorithms and Data Structures, Directed Undergraduate Research, Cloud Computing, Independent Research in CS, Independent Study in Mathematics, Statistics for Science
Academic Awards: Dean's List Fall 2017, Spring 2018, Fall 2018

TECHNICAL SKILLS

- C, C++, Python, Java, JavaScript, Expo, OpenGL, Django, HTML, PostgreSQL, Docker, Kubernetes, Dokku, Nginx
- Data structure, Algorithms, Object Oriented Programming, Linux, Mathematical Modeling, Test Driven Development
- Languages: Fluent in English and Vietnamese

PROJECTS

Web Application Project, Strinj (remote work) *May 2019 – Present*

- Developed and added new features to Strinj project (<https://www.strinj.com>) using Python and Heroku; with features:
 - Allow users to create profiles and view jobs and allow companies to register and post jobs

Kubernetes Project, Computer Science Independent Research, St. Olaf, Northfield *April 2019 – Present*

- Speeded up and simplified Cluster Management process for CS Department by implementing Kubernetes cluster
- Benchmarked the efficiency of the new system to guarantee users' satisfaction

Post Office Application, Mobile Computing Application Class Project, St. Olaf, Northfield *January 2018*

- Programmed a mobile application using Java with the following features:
 - Store information of all packages as well as the identity of the user in PostgreSQL database
 - Send notification when packages arrived and automate checking and updating package information using Expo and API

Team Leader, Software Design Class Project: Differential Equation Solver, St. Olaf, Northfield *September 2017 – December 2017*

- Created user-friendly software that could solve first order differential polynomials using six different methods, solve second order differential polynomials, and draw exactly the graph and slope field of that function (C++, OpenGL, OOP)
- Presented the project to Dr. Richard Allen and the class; evaluated social and ethics issues related to the software

Ho Chi Minh City Underground Model, Project in Mathematics Application, Ho Chi Minh City, Vietnam *April 2016*

- Designed two optimal models of undergrounds for Ho Chi Minh city that ensure users' satisfaction (C++)
- Wrote a research paper to clarify the result using algorithms, math, and statistics and presented result to professors
- **Honors:** Team with the Best Model and Best Presentation Prize

WORK EXPERIENCE

Lead Software Manager, HiPerCiC Team, St. Olaf Computer Science Department, Northfield *April 2019 – Present*

Software Developer, HiPerCiC Team, St. Olaf Computer Science Department, Northfield *April 2018 – March 2019*

- Developed and added new features to Cochlear Implant Training Web Application using Python, Django, HTML, and CSS
- Implemented 100 test cases with Test Driven Development to increased reliability of the app to 90%
- Trained and supported two other software developers
- Managed application platform and increased security by using Dokku and Nginx

Lead Cluster Manager, St. Olaf CS Department, Northfield *April 2019 – Present*

Cluster Manager, St. Olaf CS Department, Northfield *April 2018 – April 2019*

- Troubleshoot cluster and network-related issues through collaboration with IT Department
- Trained and supported other cluster managers

Technology Consulting Assistant, IT Help Desk, St. Olaf IT, Northfield *December 2017 – April 2019*

- Supported the approximately 4,000 students, faculty and staff of St. Olaf College, along with St. Olaf emeriti and guests
- Collaborated with St. Olaf IT Staff to provide assistance for a wide range of hardware and software

OTHER LEADERSHIP EXPERIENCE

Vice President, Student Chapter of the Association for Computing Machinery, St. Olaf, Northfield *September 2018 - Present*

- Made plans and fostered computing community at St. Olaf through CS social events, workshops, talks, and demonstrations