



MARIA E. KLOIBER

RELEVANT SKILLS

C++ Swift
 Java R
 HTML & CSS PHP
 WordPress Python
 Network & cluster
 management
 Parallel & distributed
 computing

ADDITIONAL SKILLS

Mandarin Chinese
 (professional working
 proficiency)
 Customer Service
 Boxing
 Bass Clarinet
 Unicycling

EDUCATION

St. Olaf College
 Bachelor of Arts, Expected
 Graduation 2020
 Majors: Computer Science and
 Political Science
 Cumulative GPA: 3.7
 Awards & Achievements:
 Buntrock Merit Scholarship,
 Dean's List 2017

Edina High School
 Cumulative GPA: 4.2
 (weighted)
 Awards & Achievements:
 Frederick Douglass Award,
 National AP Scholar, All-State
 Band '15-16

LEARN MORE



<https://www.linkedin.com/in/maria-e-kloiber-88683a103>



<https://mariakloiber.github.io/home.html>

KLOIBER1@STOLAF.EDU ♦ (612)267-5660 ♦ 1500 ST. OLAF AVE

WORK EXPERIENCE

Cluster Manager | St. Olaf College

Feb 2017 -
Present

- Manage and update the clusters, servers, networks, and file storage used by STEM departments for classes and research.
- Analyze emerging technologies to advance the research and technological interests of the CS department.

Student Researcher | St. Olaf College

Jun 2017 - Aug
2017

- Led a research project investigating protein sequence database search using the Smith Waterman algorithm on a cluster of Xeon Phi coprocessors, and gained experience in bioinformatics.
- Assisted on a research project aimed at improving high performance computing application development methodologies to facilitate app stability.

Tech Consultant | Embode Corporation

Jun 2017 - Aug
2017

- Designed websites for the company's clients in collaboration with the President of Embode Corporation.
- Improved skills in HTML, CSS, PHP and MySQL.

PROJECTS

3ML (the Magnificent Magical Music Language)

Created a Domain Specific Language that allows users to easily generate musical scores by typing out a list of note names. Worked in a team of three to construct the parser and graphics with Python.

Linux Ladies Application

Developed an app in a team of four that is aimed at helping women get started in the tech industry. It contains an internship/scholarship database as well as a forum for communication between app users. Gained experience in C++ and OpenGL.

"Headache" Cluster

Created a Beowulf cluster with OpenMPI, handling all aspects of cluster setup including hardware connection, software installation, configuration, and troubleshooting.

LEADERSHIP & EXTRACURRICULARS

May 2017 -
Present

Co-Leader | Linux Ladies Organization

- Organize workshops, networking, and speakers for women and other minorities interested in tech.
- Expanded outreach efforts to incoming first years and other underrepresented minorities.

May 2017 -
Present

Program Director | Teaching English as a Second Language Club

- Lead a seven member group in volunteering as Teaching Assistants in ESL classes at the Adult Education Center in Faribault, Minnesota.

Sept 2016 -
Present

Contralto Clarinetist/Bass Clarinetist | St. Olaf Band

- Attend three 90 minute rehearsals per week, as well as weekly studio classes and private lessons.