RELEVANT SKILLS

C++Swift lava 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

Graduation 2020 Majors: Computer Science and Political Science Cumulative GPA: 3.7 Awards & Achievements: Buntrock Merit Scholarship,

Bachelor of Arts, Expected

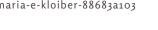
Dean's List 2017

Edina High School

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

LEARN MORE







https://mariakloiber.github.io Sept 2016 -/home.html Present



MARIA E. KLOIBER

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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)

Nov 2017 - Dec 2017

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

Apr 2017 - May 2017

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

Feb 2017 - May 2017

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

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.

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.

Contralto Clarinetist/Bass Clarinetist | St. Olaf Band

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