

Timothy Poehlman

[linkedin.com/in/timothy-poehlman](https://www.linkedin.com/in/timothy-poehlman) | github.com/Timothy-Poehlman

253-222-7512 | timothypoehlman@gmail.com

EDUCATION

Western Washington University

Bachelor of Science in Computer Science

Bellingham, WA

Sept. 2018 – Jun 2022

Relevant Coursework: Data Structures, Computer Systems, Calculus, Probability and Statistics, Linear Algebra

EXPERIENCE

Officer - WWU Open Source Club

Western Washington University

Sept 2020 – Present

Bellingham, WA

- Give computer science students, especially underclassmen, the opportunity to gain valuable experience by working on a long-term, collaborative project
- Create a place for students to recruit team members or get support and guidance for their own project ideas
- Offered advice, troubleshooting, and suggestions for student projects as well as helping to develop ideas into projects

Research Assistant

Western Washington University

April 2019 – Present

Bellingham, WA

- Used machine learning to analyze the context and topics of published Computer Science Education research papers
- Developed both front and back end of a full-stack web application using Flask and PostgreSQL to create an instant feedback educational tool in collaboration with 3 other students

PROJECTS

Lightbulb [link]

Jan 2020 – Present

- Tools: Python, Flask, Javascript, HTML, CSS, Jinja2, PostgreSQL
- Developed both front and back end of a full-stack web application using Flask and PostgreSQL to create an instantfeedback educational tool in collaboration with 3 other students
- Visualized feedback data using Ajax to recieve information interpreted and calculate in Python from a sql Database, and piping said information into charts.js

publication pattern quality

May 2019 – Aug 2019

- Tools: Python, Jupyter-notebook, numpy, matplotlib, nltk, pandas
- Worked with 3 other students under supervision of Dr. Qiang Hao to teach a machine learning program to accurately predict the topic and context of Computer Science Education research papers published to SIGCSE, ICER, ITICSE, and KOLI
- Applied manual classification for 200 papers, then utilized a semi-supervised learning approach for the classification of topic and context of 2000 research papers

MicroShell

March 2020 – Jun 2020

- Tools: C
- Constructed a functioning microshell in C
- Features: ls, stat, exit(), cd, echo, signal processing, piping, environmental variables

TECHNICAL SKILLS

Languages: Java, Python, C, SQL (Postgres), JavaScript, HTML/CSS

Frameworks/Libraries: Flask, REACT, express, pandas, NumPy, Matplotlib, nltk, charts.js, jinja2, bootstrap, AJAX

Developer Tools: Git, Google Cloud Platform, VS Code, Visual Studio, PyCharm