

BLAKE HAKKILA

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EDUCATION:

BS in Computer Science, Expected December 2023

College of Engineering, Oregon State University, Corvallis, OR – GPA: N/A (in first term)

HBS in Biochemistry and Biophysics, *summa cum laude*, March 2018

Minor: Chemistry

College of Science, Oregon State University, Corvallis, OR – GPA: 3.88

RELEVANT WORK EXPERIENCE:

Software Engineer

e-MSion, Inc., Corvallis, Oregon

Jan. 2019 – Present

- Created automated tuning and verification procedures in Python for optimizing voltages and testing successful installation of mass spectrometer hardware.
- Designed user interfaces for a mass spectrometer hardware control app using Python and wxPython.
- Implemented bioinformatics algorithms and data exploration user interfaces for an Electron app using C++, Typescript, Node.js, HTML, CSS, and gRPC.

PERSONAL PROJECTS:

FlikPik

Summary: A mobile app for matching users to movie titles through a swiping interface. Uses a content-based recommendation engine to inform which profiles are shown to the user.

Technologies: React Native, Expo.io, Typescript, Node.js, Scikit-learn

Advent of Code Bot

Summary: A Discord bot hosted on AWS that displays daily updates of an Advent of Code private leaderboard and responds to user commands to show the leaderboard.

Technologies: Python, Discord, Advent of Code API, AWS

SKILLS AND TECHNOLOGIES:

Python, C++, C, JavaScript, TypeScript, HTML, CSS, Node.js, Electron, gRPC, Git, GitHub, Bitbucket, Visual Studio Code, React, React Native, Expo.io, wxPython, AWS, Linux, Windows, Jira

ACHIEVEMENTS:

NSA Codebreaker Challenge Solver

Jan. 2022

One of 42 students nationally to complete the challenge NSA Codebreaker Challenge (top 0.8% of participants)

Advent of Code Top of Leaderboard

Dec. 2021

Top participant in an Advent of Code private leaderboard for OSU CS students

Lucid Programming Competition 2021 High Achiever

Oct. 2021

Placed in 6th among OSU students in the 9th Annual Lucid Programming Competition

Dean's List

Dec. 2014 – Mar. 2018

Was on Dean's List for high GPA every term during first degree