

BLAKE HAKKILA

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EDUCATION:

Bachelor of Science in Computer Science Expected June 2024
Oregon State University – GPA: 4.00 Corvallis, OR

Relevant coursework: Computer Architecture and Assembly, Web Development, Data Structures, CodePath Android Development, CodePath Advanced Software Engineering

Honors Bachelor of Science in Biochemistry and Biophysics March 2018
Oregon State University – GPA: 3.88 | Honors: *summa cum laude* Corvallis, OR

RELEVANT EXPERIENCE:

e-MSion, Inc. – Software Engineer | Corvallis, OR January 2019 – Present

- Automated voltage optimization and functional verification of mass spectrometer hardware using Python, resulting in a 25% decrease in installation service time.
- Re-engineered user interfaces for a mass spectrometer hardware control app using Python and wxPython, resulting in 50% fewer customer support requests.
- Implemented proprietary bioinformatics algorithms for an Electron proteomics app using C++ and TypeScript, resulting in a 10% increase in successful fragment identification.

PROJECTS:

CoffeePod | Team of 3 [GitHub](#)

- Summary: Programmed an Android app for coffee reviews using Kotlin and Back4App that won 3rd place at the CodePath Spring 2022 Android Development Demo Day.
- Technologies: Kotlin, Android Studio, Back4App

Fitness Buddy | Team of 1 [GitHub](#)

- Summary: Built a full stack app for logging exercises using an Express backend for CRUD operations through an API and a React frontend that rendered a single-page application.
- Technologies: JavaScript, HTML, CSS, MongoDB, Express, React, Node.js

SKILLS AND TECHNOLOGIES:

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- Languages: Python, JavaScript, TypeScript, HTML, CSS, C++, C, Kotlin
 - Tools and Technologies: wxPython, React, Node.js, Express, MongoDB, JSON, Back4App, Electron, Git, GitHub, Bitbucket, Jira, Visual Studio Code, Android Studio, Linux, AWS

ACHIEVEMENTS:

CodePath Android Development Demo Day 3rd Place April 2022
Won 3rd Place at the Spring 2022 Android Development Demo Day for the app CoffeePod

NSA Codebreaker Challenge Solver January 2022
One of 42 students nationally to finish the NSA Codebreaker Challenge (top 0.8% of students)

LEADERSHIP:

OSU Robotics Club | Mars Rover Firmware/Software Lead October 2021 – Present