

Keegan Murphy

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A Computer Science student with hands-on experience in software development and IT management. Experienced in managing software assets at Metropolitan Council and engineering lightweight finance software at Binder Investments LLC. With a strong technical and leadership foundation from leading STEM classes at COR Robotics and serving as a Technical Lead in FIRST Robotics, I am eager to leverage my skills in a challenging & fast-paced Software Engineer role.

EDUCATION

University of Minnesota, Twin Cities - College of Science and Engineering

Minneapolis, MN

Bachelor of Science in Computer Science (3.5/4 GPA)

September 2021 – Expected May 2025

- Software Engineering, Program Design and Development, Machine Architecture, Data Structures and Algorithms.

Microsoft Certified: Azure Fundamentals, Azure AI Fundamentals

SKILLS

Technical Skills: Python (Flask, Django, Requests), JavaScript (Node, Express, React), CSS (Vanilla, Tailwind), HTML, C, Java.

Tools & Platforms: Azure, Firebase, Figma, XCode, Visual Studio, Linux, Windows, MacOS, GitHub, Stack Overflow.

EXPERIENCE

Software Asset Management Intern

Minneapolis, MN

Metropolitan Council | Minnesotan, metropolitan-area regional government

May 2023 – Present

- Author comprehensive technical documentation for employee software, streamlining the asset management process.
- Manage data pipelined from devices using workflows, ensuring complete compliance and effective software implementation.

STEM Program Camp Manager

Greater MN

COR Robotics | Startup, est. 2015, STEM & robotics education

June 2021 – September 2022

- Coordinated 15+ STEM camps with 30+ participants per camp, improving student engagement, response, and learning.
- Communicated progress with parents and community education reps, resulting in increased engagement from constituents.

DeFi Hardware Mining & Finance Programming

Becker, MN

Binder Investments LLC | Self-Employed, family business

January 2020 – August 2022

- Designed and implemented high-performance cryptocurrency mining systems using Bash & Linux, achieving 99% uptime.
- Optimized DeFi trading using MongoDB, Express, NodeJS, and React, resulting in a significant 400%+ return on investment.

Sales Team Member

Monticello, MN

Mills Fleet Farm | 37 store, Midwest-based retail chain

June 2019 – August 2021

- Leveraged product knowledge and troubleshooted technical issues for customers, driving \$20K+ in equipment sales.

Technical Lead

Becker, MN

C.I.S. 4607 (FIRST Robotics)

June 2020 – July 2021

- Led Programming & Electrical teams responsible for the robots's Hardware & Python code, resulting in placing at regionals.

PROJECTS

My Carbon Score: Environmental Impact Scoring App

Minneapolis, MN

Tech Optimum Hackathon 2023 | keeganm.net

August 2023

- Developed an iPhone app in Swift and SwiftUI to score a user's environmental impact and suggest ways to reduce it.

CommunityCall MN: Community Engagement Forum Website

Minneapolis, MN

MinneHack Hackathon 2023 | keeganm.net

January 2023

- Designed a platform made in Flask, Tailwind, and SQLite where users can engage with their local MN communities.

Coding Forum Contribution

Remote

Stack Overflow & GitHub | [stackoverflow.keeganm.net](https://stackoverflow.com/keeganm.net)

October 2021 – Present

- Troubleshooted and discussed programming errors and infrastructure, directly assisting 50+ members' projects worldwide.

MISCELLANEOUS

Awards: John A. Scott Scholarship (STEM leadership), FRC Robotics World Dean's List Finalist (top solo performer of 100 teams).

Interests: Basketball, Golf, Fantasy Sports, Venture Capital, Trading / Stock Market, DeFi, Water Sports, Fishing, Marvel.