

Jacob McCormick

mccor.xyz
jacob@mccor.xyz | 218.851.1293 | mccor571@d.umn.edu

EDUCATION

UNIV. OF MINNESOTA DULUTH

BS IN COMPUTER SCIENCE

BS IN ACTUARIAL SCIENCES

May 2022 | Duluth, MN

Swenson College of Engineering

Cum. GPA: 3.7 / 4.0

Dean's List past five semesters

LINKS

Github:// [mccorxyz](#)

LinkedIn:// [jacob-mccormick-2001](#)

COURSEWORK

COMP. SCI.

Software Analysis & Design

Software Engineering

Database Management Systems

Machine Learning & Data Mining

Computer Security

Automata & Formal Languages

Discrete Mathematics

Computer Architecture

Operating Systems

IT in Business

Algorithms (*Princeton Coursera*)

ACTUARIAL SCI.

Probability

Linear Algebra

Calculus III

Differential Equations

Statistical Analysis

TECHNOLOGY

LANGUAGES

C# • Java • C/C++ • Dart • R

HTML/CSS • JavaScript • SQL

MongoDB • Python • \LaTeX

SOFTWARE & TOOLS

Git/Github • Jira • Confluence

Android Studio • Flutter • Docker

Doxygen • JUnit • NodeJS

Visual Studio

CERTIFICATIONS

Apple Certified Macintosh Technician

EXPERIENCE

EMERSON AUTOMATION SOLUTIONS | SOFTWARE ENGINEER

May 2021 - Present | Chanhassen, MN

- Implemented, tested, and deployed software changes using Agile/Kanban methodology in a manufacturing environment
- Completed 12 change requests over the Summer; exceeding the initial goal of 5
- Utilized modern languages, frameworks, and tools including C#, Angular, Docker, and VB6
- Offered part-time employment after completing the Summer co-op rotation

UMD ITSS | COMPUTER REPAIR TECHNICIAN

Mar 2021 - Oct 2021 | Duluth, MN

- Diagnosed and repaired many student computers including both desktops and laptops of both Mac and PC
- Consulted student clients in topics of troubleshooting and worthwhile hardware upgrades

PROJECTS

RUNOFF - MINNEHACK 2021 ENTRY | JAVA + MONGODB + NODEJS

January 2021

- Developed an Android mobile app for the Water Conservation Category at Minnehack 2021
- Implemented the NodeJS/Express RESTful API on a Linux VPS
- Configured the MongoDB database to be used by both the Android app and IoT sensors
- Assisted the app developers when they had questions about design and making HTTP requests

PERSONAL WEBSITE/E-MAIL SERVER | LINUX + HTML/CSS

Summer 2020

- Implemented a Debian web server using nginx to display a blog/project website
- Website design was inspired by Dracula-theme and was handled using CSS and Bootstrap 4
- E-mail server was implemented using Postfix, Dovecot, Spamassassin, and OpenDKIM

Used Weighted Quick-Union Union-Find data structure to determine if a grid system would percolate

AWARDS

2021	1 st Place	Water Conservation Category	Minnehack
2021	3 rd Place	Best Hack Project	Minnehack

ACTIVITIES & CLUBS

- Participated at Minnehack 2021 Hackathon
- Participated in the 2020 Digi-Key Collegiate Computing Competition
- Association of Computing Machinery
- Actuary Club