

Brooklyn Cooper

Delano, MN • brooklyn@minnesotacoopers.com • (612)-601-6028 • github.com/brooklyn204

EDUCATION

University of Minnesota, Twin Cities

College of Science and Engineering

Bachelor of Science, Computer Science (Mathematics Minor)

Minneapolis, MN

Expected May 2025

GPA: 3.975

Completed Coursework: Algorithms & Data Structures in Java, Machine Architecture and Organization in C, Discrete Structures, Probability and Statistics, Linear Algebra & Differential Equations

In-Progress Coursework: Introduction to Operating Systems, Algorithms, Applied Linear Algebra

SKILLS

Computer Languages: Java, Kotlin, Python, C

Tools: Linux, Windows, Git, GitHub, IntelliJ, VS Code, Android Studio, JIRA

WORK EXPERIENCE

Garmin

Software Engineer Intern

Chanhassen, MN

May 2023 – August 2023

- Used Kotlin / Java to create new features for Garmin Pilot (Android app for airplane pilots)
- Worked on the full stack, developing the back-end tools, algorithms, and UIs required to fetch data from both local databases and the cloud, facilitate user edits, and then store updated data

University of Minnesota, Twin Cities

Computer Science Teaching Assistant

Minneapolis, MN

January 2023 – May 2023

- Worked with a team of other TAs to lead labs, teaching students coding principles in Python
- Used interpersonal and communication skills to help students solve problems

PROJECTS

HackUIowa - Generative AI Note Taking Hackathon Project

September 2023

- Used the ChatGPT REST API to generate study questions based on user-input lecture notes
- Worked in a team of four to design, code, and test in under 28 hours

Personal Project - Memory Management Implementation

August 2023

- Used C memory mapping and linked lists to make a basic implementation of malloc() and free()
- Originated as a class project that had to be cut. Completed independently for fun

University of Minnesota Social Coding Club - Class Calendar Project

January-May 2023

- Worked with a group to design and create a Chrome extension that scrapes data on your current classes from the University website and generates a downloadable calendar file with those classes

AWARDS

University of Minnesota College of Science and Engineering Dean's List

Fall 2022 – Spring 2023

University of Minnesota Honors Program

September 2022 – Present

National Merit Scholar Finalist

February 2022