Austin Franzen

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EDUCATION

Sep 2020 — Dec 2023	**Computer Science B.S., University of Minnesota - Twin Cities**

GPA: 3.603

Dean's List: Spring 2021, Spring 2022

Sep 2016 — May 2020	**Harry D. Jacobs High School** — Algonquin, IL

ACT: 31

State Scholar

EXPERIENCE

Jun 2022 — Aug 2022	**Quality Analyst Intern, Endries International** — Sycamore, IL

I worked to inspect hundreds of parts, audited incoming and outgoing shipments for quality and correctness, and designed a program in Python to assist in LAB color readings. I was on a team with one other intern and worked closely with multiple department leads, as well as the company president to ensure quality standards were met.

Sep 2021 — Present	**Computer Science Teaching Assistant, University of Minnesota** — Minneapolis, MN

Working with a team of undergraduate students and graduate students to create rubrics for exams, hold office hours, and create labs for a class of over 200+ students. Took an additional training course that allowed me to gain skills in new teaching methods, communication, and leadership techniques.

PROJECTS

Jan 2022 — May 2022	**C++ Course Project**

I and another student implemented front and back-end additions to a "virtual drone delivery system" that consisted of hundreds of classes. We utilized Decorator and Factory patterns in order to allow the user to better choose their desired destination and brought battery logic to all drones within the program. Written in C++ and HTML.

Apr 2022 — May 2022	**Course Project**

I worked with an undergraduate partner to create a new project for a Discrete Structures course. I was responsible for leading the project and communicating with the professor to best meet class needs and meet strict deadlines. The updated project allowed students to better visualize DFS and BFS search algorithms by integrating the Java.AWT package into the project.

Jun 2021	**Personal Website**

Created a website to showcase various personal projects. Built with readability and user experience in mind. Created using HTML and CSS.

COURSES

CSCI1933 - Discrete Structures
CSCI2011 - Discrete Math
CSCI2021 - Machine Architecture
CSCI2041 - Adv. Programming Principles
CSCI2033 - Linear Algebra
CSCI3081W - Program Design and Development
CSCI4041 - Algorithms and Data Structures

SKILLS

Proficient

Java, C, C++, OCaml, Python, Git

Familiar

HTML, CSS, Javascript, Assembly, Docker