Zachary Long

Hugo, MN 55038   651-238-8927   Zacharylong4003@gmail.com

Education

University of Minnesota Duluth

Bachelor of Science, Computer Science

GPA 3.9   August 2023–May 2024

University of Minnesota Twin Cities

Bachelor of Science, Computer Science

GPA 3.9   Anticipated Graduation May 2027

Technical Skills

Languages: C++ (3 years), Python (2 years), Java (1 Year), C (1 year), OCAML (1 year), Lua (1 year)

Tools & Technologies: Git, Node.js

Certifications: Acer Certified

Technical Courses

Machine Architecture

● Gained experience in writing, compiling, and debugging C programs, focusing on pointers, dynamic memory, and basic file I/O.

● Developed an understanding of memory management, including stack, heap, and security issues such as buffer overflows.

● Studied computer architecture, including CPU components, memory hierarchy, virtual memory, and assembly language (x86-64).

Advanced Programming Principles

● Learned principles and techniques for creating correct, robust, and modular programs using OCaml, focusing on functional programming and recursion.

● Explored symbolic data processing, evaluation strategies, concurrency, and parallelism in program design.

Experience

Trafera   Arden Hills, MN

Production Associate   Jun 2023–Sep 2023

● Processed devices per customer specifications (to include, e.g., installing cases, applying asset tags, scanning MAC addresses, enrolling into management, installing screen protectors, etc.)

● Worked as part of a larger team to aid in achieving of customer needs.

White Bear Lake Area Schools   White Bear Lake, MN

Summer Tech Depot Lead   May–Aug 2019-2022

● Coordinated schedules and managed student workers, assigning tasks based on their strengths.

● Resolved unique technical issues and managed a system to keep track of solutions for others if they ran into a similar issue.