Garrett Phillips

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SUMMARY

Utilize leadership, interpersonal, and communication skills to gain valuable technical and professional work experience through software-oriented problem-solving opportunities.

EDUCATION

Purdue University, West Lafayette, IN   **Expected Graduation - December 2025**
- GPA: 3.79
- Senior pursing **Master of Science in Computer Engineering**.
- Achieved Semester Honors and Dean's List every semester.

EXPERIENCE

Electrical and Computer Engineering Intern
Delta ModTech, Ramsey, MN   **May 2022 - August 2022**
- Assembled mechanical and electrical components of a highly complex, $1,000,000 laser die-cutting system per customer requirements through effective communication and collaboration with engineers, technicians, and professional writing personnel.
- Tested functionality of product through PLC programming and troubleshot unexpected results to achieve a 99% functionality rating.
- Integrated a prototype sub-assembly, including creation and documentation of electrical schematics, into an established laser die-cutting system to decrease the error margin of the laser head during operation at high material speeds.
- Navigated a fast-paced and intimate work setting with a collaborative attitude.

Alternative Formats Staff
Purdue University, Disability Resource Center, West Lafayette, IN   **March 2022 - May 2023**
- Translated hundreds of coursework materials from English to Braille for Purdue students with visual impairments.
- Acquired material from professors, performed translation, then distributed braille content to select students within a timely manner.

Soccer Referee
Minnesota Youth Soccer Association, Minneapolis, MN   **May 2015 - August 2021**
- Refereed recreational, competitive, and select soccer clubs in the Minneapolis district of male and female athletes, ages 8-19.
- Enforced rules, structure, and order in high-stress situations and maintained professionalism when engaging with coaches and players.
- Recalled both MYSA standard and tournament-specific game regulations and protocols during 90-minute playtime duration.

COURSEWORK

Data Structures and Algorithms in C
Skill used: Creative thinking   **ECE 36800 - Spring 2023**
Unique implementations of structures and algorithms to complete time-intensive, complex problems.

Python for Data Science
Skill used: Independent learning   **ECE 20875 - Spring 2023**
Researched built in Python functions and imports to explore optimized solutions tasks.

Introduction to Digital System Design
Skill used: Problem-solving   **ECE 27000 - Spring 2023**
Creation of hardware and compatible software systems to complete a desired outcome.

Advanced C Programming
Skill used: Time management   **ECE 26400 - Fall 2022**
Completion of projects by breaking down assignments into quantifiable tasks.

INVOLVEMENT

Peer Mentor
Purdue University, Academic Support Mentoring Program   **January 2023 - May 2023**
- Voluntarily mentored first-year engineering students on academic probation.
- Provided assistance with academic support, campus resources, time-management skills, and choice of major.

TECHNICAL SKILLS

C Programming, Python, Git, Large Data Analysis, Microsoft Teams/Office, Visual Studio, AutoCAD, Verilog, MATLAB