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Education

UNIVERSITY OF MICHIGAN | COLLEGE OF ENGINEERING

ANN ARBOR, MI

- Bachelor of Science in Engineering in Computer Science (GPA: 3.68/4.00) Aug 2020 - Dec 2023
- Coursework: *Foundations of Computer Science, Data Structures and Algorithms, Discrete Math, Multivariable Calculus, General Physics I, Materials and Manufacturing*
- Player for Michigan Wolverines DIII Ice Hockey Aug 2020 – Present
- Editor for Michigan Journal of Economics Sep 2021 – Jan 2022

LAKELAND HIGH SCHOOL

WHITE LAKE, MI

- Valedictorian – GPA: 4.38/4.00 Sep 2016 – May 2020

Skills

Software: C++, C, Python, HTML, CSS, JavaScript, Microsoft Excel, Vector CAPL, Vector CANoe & CANalyzer, MATLAB, Thinkorswim, IBM Rational Jazz, Atlassian Tools, VT System

Abilities: Advanced Financial Market Analysis (Stocks, Options, Crypto, Futures; Bloomberg Market Concepts Certified), Project Coordination, Digital Design, Team Leadership

Languages: Native English, Limited Working Spanish

Projects

SQL Clone (C++): Emulated a basic relational database with an interface based on a subset of a standard query language **2022**

MHacks-14 Hackathon (HTML, CSS, JavaScript): “Fastr Food”; Directed users to the dining hall with the quickest meal acquisition time using crowdsourced line length data and travel time from Google Maps API; Won Best Beginner Hack and Best Use of Google Cloud **2021**

Image Resizing (C++): Implemented seam carving algorithm for content-aware image resizing **2021**

Language Processor (C++): Used machine learning techniques and natural language processing to automatically identify the subject of posts from an online messaging forum **2021**

Experience

Software Verification Engineering Intern | GENTHERM Northville, MI | May 2022 – Aug 2022

- Developed a test suite 3400 lines long to debug and verify internal test automation software tools written in Vector CAPL and run in Vector CANoe
- Created and executed software (SWE.6) and systems (SYS.5) test cases on ECUs for OEM customer products (Audi, Honda, Ford) using simulation tools like Vector CANalyzer
- Generated and submitted test reports with list of defects directly to the global team and to customers
- Applied knowledge of customer specifications and requirements to develop tests on microcontrollers

Webmaster | FALL ENGINEERING CAREER FAIR

Ann Arbor, MI | Feb 2022 – Present

- Reconstructed and maintained the website for the UMich Fall Engineering Career Fair hosted by Tau Beta Pi (TBP), the National Engineering Honor Society, and the Society of Women Engineers (SWE)
- Oversaw the Website Committee Chairs, providing valuable insight to the Directors to inform decisions
- Revamped the sponsorship portal nearly 350 companies visit, bringing in six figures of revenue annually

Vice President of Operations | THETA CAPITAL

Ann Arbor, MI | Dec 2021 – Present

- Managed club funds, organized club functions, collected dues, and created new website still in use today
- Collaborated with a team of student analysts to monitor financial markets across the globe for professional and personal portfolios