Ryan Ramboer

Computer Science Student

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Education

UNIVERSITY OF MICHIGAN | COLLEGE OF ENGINEERING   **ANN ARBOR, MI**

· Bachelor of Science in Engineering in Computer Science (GPA: 3.84/4.00)   *Aug 2020 - Dec 2023*
· Coursework: *Data Structures and Algorithms, Discrete Math, Multivariable Calculus, Software Engineering, Computer Organization, Intro to Artificial Intelligence, 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, Vue.js, jQuery, Microsoft Excel, Vector CAPL, Vector CANoe & CANalyzer, Thinkorswim, IBM Rational Jazz, Atlassian Tools, VT System

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

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 | Jan 2022 – Sep 2022

· Reconstructed and maintained the website for the UMich Engineering Career Fair hosted by Tau Beta Pi (TBP) and the Society of Women Engineers (SWE), which was viewed more than 26,000 times
· Oversaw the Website Committee Chairs, providing valuable insight to the Directors to inform decisions
· Revamped the sponsorship portal, which brought in $250,000+ in revenue from 260+ companies

Vice President | THETA CAPITAL   Ann Arbor, MI | Sep 2021 – Dec 2022

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