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   *Aug 2020 - Apr 2024*
· GPA: 3.68/4.00
· 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, MATLAB, LaTeX, Thinkorswim, Adobe Premiere Pro

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 course messaging forum   *2021*

Experience

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

COFOUNDER AND SECRETARY | QUANT CONS. & FINANCE   **ANN ARBOR, MI | DEC 2021 – PRESENT**

· Brought together UMich students with knowledge of computer science and various business concentrations to explore applications of code in algorithmic trading, finance, and consulting
· Consolidated event-based RSS (Really Simple Syndication) feeds into time series data to uncover correlations between asset prices