

BRENDAN CAREY

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EDUCATION

University of Michigan, College of Engineering

Ann Arbor, MI

Bachelor of Science in Engineering in Computer Science

- GPA: 3.2 /4.0
- Relevant Coursework:
 - Intro to Programming and Data Structures
 - Data Structures and Algorithms
 - Intro to Software Engineering
 - Multivariable Calculus
 - Database Management (current)
 - Linear Algebra
 - Discrete Mathematics
 - Computer Organization
 - Web Systems (current)
 - Probability and Statistics

EXPERIENCE

Undergraduate Research Assistant -- University of Michigan Biomedical Engineering Department

January 2019 -- May 2019

- Spearheaded the creation academic literature on the necessity and progression of new technologies in the field of Vagal Nerve Stimulators to treat the symptoms of epilepsy
- Nominated for the George M. Landes Prize for Technical Communication which recognizes outstanding communication of highly technical concepts in published academic literature
- Demonstrated ability in various mediums and public speaking through the composition and presentation of scientific literature in keynote presentations, research papers, and research symposiums

Health and Safety Officer -- University of Michigan Interfraternity Council

January 2019 -- January 2020

- Elected to the University of Michigan Social Responsibility Committee, tasked with curating and maintaining the safety standards within the Greek Life community and its constituents
- Ran operations and risk management of the two largest philanthropic events at the University of Michigan raising over \$212,000, with \$102,000 for the Rogel Cancer Center and \$110,000 for the Autism Alliance of Michigan with no complications and fluid communication between 240+ volunteers
- Organized the health and safety plans of a 120-member chapter for a variety of events with potential attendance of 500+ people without a single incident or health concern from any attendee or member

Michigan Algorithmic Trading -- University of Michigan College of Engineering

June 2020 -- Present

- Assisted in the presentation and preparation of weekly training sessions educating members on the complexities of algorithmic trading to increase group participation and professional readiness
- Researched and developed trading algorithms and strategies commonly used in industry such as Volume Weighted Average Price and Time Weighted Average Price
- Reinvigorated membership interest during virtual academic year through the creation of virtual speaker series, biweekly newsletters, and the planning of extensive professional development events

ADDITIONAL

- Proficient in: C++, C, Python, MATLAB, Java, Microsoft Excel,
- Experienced in: HTML, Javascript, R, AWS, Shell Scripting, React
- Member of Michigan Data Science Team (2019-present)
- Vice President of Programming for Action Analytics (2019-present)
- Campus advocate for mental health awareness