Braedon Nguyen

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EDUCATION

Bachelors of Science, Computer Science and Data Science 12/2025
University of Minnesota, College of Science and Engineering Minneapolis, MN
3.6 GPA

SKILLS

Programming *(Python, Julia, C, Java, OCaml, HTML, and JavaScript)*, **Microsoft Office** *(Excel, Word, and Publisher capable)*

RELEVANT EXPERIENCE

Team Member 08/2022 – present
Gopher Motorsports (a Formula SAE team)
- **Utilizing** Embedded C/firmware programming to reduce system downtime
- **Conducting** data processing, enhanced with machine learning algorithms

AEFIS Configuration Student Support Specialist 01/2023 – 05/2023
University of Minnesota School of Dentistry
- **Optimized** previously manual computations
- **Reduced** billable time spent on data entry by >50%

IT Intern 08/2020 – 09/2022
Northwestern Regional 7 High School
- **Resolved** students' and faculty's technology issues promptly, achieving across-the-board satisfaction
- **Enhanced** the school's network and device infrastructure, ensuring their longevity
- **Oversaw** the successful execution of large-scale projects, with timely completion and budget adherence.

Lead Programmer, Head Strategist, Driver 02/2016 – 07/2022
FIRST Robotics Competition
- **Engineered** interactive web solutions with proficiency in HTML and JavaScript, resulting in user-friendly interfaces and increased engagement
- **Designed** complex systems in Java and managed their interactions with external designs
- **Led** the programming department, overseeing critical business aspects and fostering team growth

Summer App Design Program 08/2020
Brandeis University
- **Pioneered** the development of a dynamic webpage from the ground up while managing its backend
- **Collaborated** with a team and presented on business viability

TEACHING EXPIRENCE

Intro to Algorithms and Data Structures Teacher's Assistant 09/2023 – present

AP Computer Science Teacher's Assistant 08/2021 – 06/2022

LEADERSHIP AND VOLUNTEERING

Committee Member 09/2023 – present
College of Science and Engineering Small Grant Review Committee
- **Defined** clear evaluation criteria, resulting in efficient and objective assessment

External Relations Committee Director 08/2022 – present
College of Science and Engineering Student Board
- **Orchestrated** successful events, enhancing the visibility and engagement of the CSE community
- **Facilitated** partnerships with external organizations and industry professionals
- **Implemented** strategies that promoted diversity and inclusion within the organization

East Africa Committee Member 08/2022 – present
Engineers Without Borders

ADDITIONAL HISTORY

Undergraduate Research Assistant 09/2023 – present
Institute for Social Research and Data Innovation

Guest Advocate, In-Store Barista 08/2021 – 06/2023
Target
- **Received** the *You Make Target Award* in December 2021