

EDUCATION

Northwestern University

Evanston, IL

B.S. Candidate in Computer Engineering

B.S. Candidate in Integrated Science

June 2022

GPA: 3.4/4.0

Organizations: Undergraduate Peer Adviser, WildCat Welcome, .dev (code development and analysis club)

Relevant Coursework: Data Structures & Algorithms, Fundamentals of Computer Programming II, Design & Analysis of Algorithms, Intro to Computer Systems, Computer System Software, Mathematical Foundation of Computer Science, Fundamentals of Computer Programming I, Intro to Computer Programming

TECHNICAL SKILLS

- Skilled in Python (2 year)
- Skilled in Java (2 years)
- Skilled in C++/C (1 year)
- Proficient in HTML/CSS/JS (6 mo)

AWARDS & ACCOMPLISHMENTS

- Northwestern Undergraduate Research Grant **Recipient**
- Best Project Design (DTC) **Award Recipient**
- SouthWorks Robotics **Medal Recipient**

EXPERIENCE

Rubenstein Swarm Robotics Lab

Evanston, IL

Research Assistant

June 2019 – September 2019

- Contributed to graduate lab researching Swarm Robotics: Algorithms and Behaviors.
- Designed and implemented scripting GUI in Python for algorithms using libraries: numpy, matplotlib, and tkinter among others.
- Streamlined analysis via raw data transformations to increase efficiency.

Northwestern University Information Technology

Evanston, IL

Lead IT Consultant

October 2018 – Present

- Supervise and serve as resource to team of consultants on day to day functionality.
- Prepare and execute training modules for cohort regarding new policy, implementation, and resources among others.
- Upkeep NUIT web page database to service Northwestern students, faculty, and staff with technology documentation.
- Promoted to **Lead Consultant** January 2020.
- Bridge the gap between corporate implementation by acting as a liaison to relegate services to Northwestern associates.

Integrated Science Honors Program

Evanston, IL

Honors Student

September 2018 – Present

- Selected to engage in rigorous, honors Math and Science courses out of hundreds of STEM students with cohort of **25 students**; covers robust topics of all sciences.
- Observed numerous Computer Science Professors' research and wrote articles about them in the University research journal.
- Up-to-date with new and innovative scientific breakthroughs, focusing on computer science/engineering.

Design, Thinking, and Communication (DTC)

Chicago, IL

Project Manager

January 2019 – June 2019

- Led team of engineers in designing, prototyping, and actualizing a walker attachment for stroke or spinal injury patients at the Shirley Ryan AbilityLab
- Programmed an Arduino in C++ to extract data from force sensors in real time and transfer it to a database via a socket connection to be analyzed.
- Conducted background research, user observation, mockup/user/background testing with full documentation of all the processes. Condensed into thorough **67 pages** final report.

.dev Triangulate Team

Evanston, IL

Team Co-Founder

October 2020 – April 2020

- **Co-Founded Startup Team** via University Farley Design Center, *the Garage*.
- Creating a dynamic scheduling website application integrating Google Calendar as a basis for user's schedules.
- Storyboarding and designing UI/UX of the front-end using HTML/CSS with JavaScript; testing in process.
- Designing back-end database utilizing Amazon Web Services (AWS).