

Michael Lee

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EDUCATION

Northwestern University

Combined B.S./M.S., Computer Engineering; GPA: 3.53/4.00

Evanston, IL

Expected June 2025

Coursework: Programming, AC/DC Circuits, Design Thinking & Communication, Digital Design, Solid State Engineering

Awards: Dean's List - Honors (Winter, Summer 2022)

Smoky Hill High School

High School Diploma; GPA 4.00/4.00

Aurora, CO

Aug 2017 - Dec 2020

Awards: Valedictorian, National AP Scholar

SKILLS

- C/C++, Python, MATLAB
- LTSpice, KiCad, L^AT_EX, Microsoft Office

PROJECTS & ACTIVITIES

Timed Medication Dispenser

Project Co-manager

Evanston, IL

Feb 2022 - Present

- Collaborating with a friend to design and build an automatic medication dispenser to prevent medication overdoses
- Breadboarding and designing a PCB with an ESP32 microcontroller and LCD to track/display time and battery level, controlling a servo to drop the correct dose
- Verifying components' specifications with manufacturers' data sheets to avoid unsafe electronic connections

Clippy Cane

Project Organization and Communications Lead

Evanston, IL

Jan 2023 - Mar 2023

- Designed, tested, and incorporated user and client feedback with three teammates on Clippy Cane, a lightweight and removable personal items carrier for patients with hemiplegia (one-sided paralysis) who use quad canes
- Oversaw and edited most written communications including progress reports, meeting summaries, and final report

EXPERIENCE

Northwestern University

Mail Package Center Assistant (Part-time)

Evanston, IL

Jan 2022 - Present

- Worked efficiently with fellow employees for a productive work flow of scanning, shelving, and retrieving customers' packages while ensuring their quality
- Assisted students with locating lost packages and misdeliveries

Domino's Pizza

Customer Service Representative (Full-time)

Aurora, CO, Evanston, IL

Feb 2021 - Nov 2021

- Prepared and thoroughly inspected fresh, hot pizzas for customers
- Coordinated with crew members to resolve customer disputes
- Trained new employees on phones, point-of-sale machines, pizza makeline, and proper employee conduct

University of Northern Colorado

Frontiers of Science Institute Scholar

Greeley, CO

Jun 2019 - Jul 2019

- Partnered with a fellow scholar under supervision of an undergraduate student
- Analyzed RA/DEC coordinates vs qualitative data of quasars from a set of 13 Hubble Space Telescope images using DS9 software
- Wrote a final research paper which merited the Technical Writing Award

Colorado School of Mines

Summer Multicultural Engineering Training Program Participant

Golden, CO

Jun 2019

- Applied the engineering design process to devise a low-cost, portable, and low-maintenance solar water purification system for arid, Sub-Saharan African countries
- Proofread our final poster and slideshow that won the Best Presentation Award