

MAIA BEN-DAVID

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EDUCATION

University of Illinois at Urbana-Champaign

GPA: 3.72/4.00

B.S. in Mechanical Engineering, Minor in Computer Science

Champaign, Illinois

Expected May 2025

Bexley High School

GPA: 4.44/5.00

Bexley, Ohio

Graduated May 2021

Achievements: Cum Laude Inductee (2021), National Honors Society (2019-2020), National Merit Commended

Scholar (2020), AP Scholar with Distinction (2020-2021), ACT NCRC Platinum Level Achievement (2020)

PROFESSIONAL EXPERIENCE

Drobots Co., Columbus, Ohio

June 2022 – August 2022

STEM Instructor

- Engaged campers in grades 3-6 in programming, projects, and design of drone and robot activities
- Methodized and coordinated projects to execute over 50+ lessons given in the curriculum
- Built interpersonal connections with campers and parents to establish a communicative and thriving learning environment

Root Insurance Co., Columbus, Ohio

June 2020 – August 2020

Software Engineering Intern

- Restructured the internal inventory management system for over 200 employees in the claims department
- Employed remote pair programming and test-driven-development with a colleague
- Independently navigated the basics of Z Shell, MySQL, JavaScript, HTML, and CSS

INVOLVEMENT

Theta Tau Professional Engineering Fraternity, Champaign, Illinois

December 2021 – Present

Fundraising Chair

- Guiding new members through fundraising and philanthropic events, building relations with local organizations
- Organized, advertised, and led two professional business events, replicating the dynamic of networking events
- Attends Professional and Social Committee's weekly meetings to formulate and coordinate chapter-wide events for 100+ members

Mechanical Science and Engineering Innovation Studio, Champaign, Illinois

September 2022 – Present

Volunteer

- Directing 3D printing & computer aided design operations for engineering students, helping to foster inquisitiveness and create a collaborative and interactive space
- Conducting evaluations on 3D printers, ensuring prints are set up properly with most efficiency, and aiding in project success

Math Resource Center, Bexley High School

August 2019 – May 2021

Peer Tutor

- Mentored peers on courses leveling from Algebra I to Calculus III
- Taught concepts, guided students with homework, and prepared students for assessments, yielding higher success in courses and enhanced comprehension
- Conducted 300+ service hours over the course of 2 years

PROJECT HIGHLIGHTS

Personal Parametric LEGO, Autodesk Fusion 360

March 2022 – Present

- Analyzing LEGO brick dimensions and constructing them with variable input sizes with an end goal to manufacture a personal set

Scroll-et Pop-Up Wallet Phone Case, Autodesk Fusion 360

March 2022 – May 2022

- Engineered and formalized a consumer product, while effectively communicating with team member to prepare complex documentation and analysis

SKILLS

Computer Programs and Languages: Microsoft Office, Autodesk Fusion 360, C++, MATLAB, Java, Kotlin

Languages: English (native), Hebrew (proficient), Latin (limited)