# Bar Itshaki

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📍Seattle, WA | B.S. Electrical & Computer Engineering, University of Washington ‘28

## Profile

Electrical and Computer Engineering student at UW with a strong academic record and hands-on tech experience. Skilled in CAD, product design, and electronics. Passionate about AI-driven solutions and building intuitive, impactful technologies.

## Education

University of Washington, Seattle, WA
B.S. in Electrical and Computer Engineering — Expected 2028

Eastlake High School, Sammamish, WA
2022–2024
Relevant Courses: Engineering Design, Data Structures & Algorithms, AP CSA, AP CSP, AP Physics 1/2

## Leadership & Ventures

BeamBell – Chief Operating Officer (COO) 🔗 beambell.com
Feb 2025 – Present

• Early-stage startup project developed in partnership with peers.
• Manage and lead developers across multiple AI-driven product builds.
• Led UI/UX design efforts to create an intuitive, responsive user interface tailored for small business workflows.
• Oversaw platform branding and deployment; used AI tools (e.g., Cursor AI) to design webpage and interface.

TAMID Group at UW – Founder & President 🔗 tamiduw.org
2025 – Present

• Founded the UW chapter of TAMID, a national organization connecting students with Israeli startups.
• Built and led an executive board, formed campus partnerships, and scaled membership.
• Oversaw Consulting and Fund tracks, guiding real-world projects and equity research.
• Led student teams on tech-driven projects, with an emphasis on AI-powered solutions.
• Cultivated ties with Israeli entrepreneurs, alumni, and VCs to expand TAMID’s reach.

## Work Experience

**PRO Club** – Executive Services, Bellevue, WA
2024

• Delivered high-level client service.

• CPR/AED & First Aid Certified.

**Arena Sports Redmond** – Soccer Coach/Camp Lead, Redmond, WA
2022–2023

• Led summer camp for 250+ kids. Coached youth teams and built communication skills.

**Hwang’s Taekwondo** – Instructor, Redmond, WA
2019–2021; resumed March 2025 – Present

• Taught and led classes of 20+ students.

## Skills

Electronics/Mechanical: Soldering, 3D Printing, Circuit Design
CAD & Design: Fusion 360, Additive Manufacturing
Programming: Python, Java, JavaScript

AI Tools: ChatGPT, Generative Design (Fusion 360), Topology Optimization

## Projects

**Medina Days Community Festival Website** 🔗medinadays.org

Developed the official website for the Medina Days community festival, a responsive web app built with React, Vite, and Tailwind CSS. The site serves as a central information hub and features interactive, real-time community polls powered by Firebase.

**Handheld Gaming System**

Built a handheld console using CAD, 3D printing, and custom circuitry. Programmed control logic and wired electronic inputs.

**FRC Robotics** – AI-Driven Mount Design

Used generative AI and topology optimization to design and stress test lightweight mount alternatives for the team’s robot. Improved structural efficiency while reducing material usage, applied CAD-integrated simulation tools to validate design integrity under load.

**GRIPBAR Product**

Invented and marketed a gym grip tool. Used AI-assisted generative design in Fusion 360 to optimize model and stress test. Managed full product lifecycle.