Avi Baruch

West Hempstead, NY | baruchavi18@gmail.com | 516-757-4905 | in/avi-baruch/ | https://github.com/baruchavi

EDUCATION

B.S. Computer Engineering   **Expected May 2027**

University of Maryland   College Park, MD

Dean's List - All Semesters   Cumulative GPA: 3.677

TECHNICAL PROJECTS

National Hillel Basketball Tournament   College Park, MD

Technical Committee Lead and Project Manager   Sept. 2023 - Present

- Designs and leads the full-stack development of a cross-platform Flutter mobile app that integrates live scoring, player stats, team rosters, tournament bracket, and weekend schedule used by 2,400+ people during the event
- Utilizes technologies including Firebase Firestore, cloud functions, and authentication to enable features such as real-time scorekeeping which enhanced the event for both organizers and attendees
- Coordinates a team of 4 people, sets and monitors deadlines, assigns tasks, and conducts code reviews

Better Testudo - Chrome Extension   College Park, MD

Creator and Developer   Dec. 2023

- Developed a Chrome Extension using HTML and JavaScript used by 250+ students at the University of Maryland which places student-sourced professor ratings and GPA class averages on the university's digital course catalog

Anystat Engineering Project   Uniondale, NY

Lead Engineer and Web Developer   Jan. 2022 - May 2022

- Designed and prototyped a temperature sensing device that could trigger fans or other cooling devices lacking temperature control using Fusion360, CircuitPython, and EasyEDA among other tools
- The project won best engineering build out of over 400 projects nationally with the Center for Innovation in Jewish Education

WORK EXPERIENCE

Baltimore Council on Foreign Affairs   Baltimore, MD

Web Development Intern   Feb. 2025 - Present

- Collaborates with the BCFA program coordinator to develop and redesign the council's website

University of Maryland ECE Department   College Park, MD

Undergraduate Teaching Fellow   Jan. 2025 - Present

- Leads a lab twice a week teaching 12 underclassmen introductory topics in electrical and computer engineering through practical and hands-on labs

Maryland Athletics B1G+   College Park, MD

Broadcast and Student Crew Member   Aug. 2024 - Present

- Operate professional broadcast equipment including the Xpression graphics system and industry-standard broadcast cameras for Fox's Big Ten Plus Network

Atlaz Computers and Consulting   Freeport, NY

Computer Repair Specialist and IT Technician   Jul. 2022 - Aug. 2024

- Refurbished 100+ PCs weekly by replacing components, flashing BIOS updates, and resolving driver issues
- Worked remotely and on-site solving IT issues directly with clients including networking problems, new hardware installation, and other troubleshooting issues

SKILLS

Programming: Flutter, Dart, XCode, React, Python, Django, Git, Github, AWS Platform, Firebase, Flask, R, JavaScript, Vue JS, Chrome Manifest V3, C++

Engineering: Fusion360, EasyEDA, PCB Manufacturing, Soldering, PrusaSlicer, 3D Printing

Other Relevant Skills: Figma**,** Adobe Photoshop, Inkscape, Adobe Premiere Pro, Adobe After Effects, Davinci Resolve, OBS, Xpression Graphics