

Yonatan Tussa

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EDUCATION

Montgomery College

A.A. in Computer Science; GPA: 3.3

Takoma Park, MD

Expected Dec. 2024

Activities & Societies: Presidential Scholar, STEM Ambassador, Raptors Who Code, Student Activities Board, Ethiopian Student Association

University of Maryland

B.S. in Computer Science

College Park, MD

Expected May 2026

TECHNICAL SKILLS

Languages: C++, Java, HTML/CSS, JavaScript, Python

Frameworks & Tools: ReactJS, TailwindCSS, Git, Docker, AWS EC2, Vite, VS Code, PyCharm, Eclipse

Concepts: Object-Oriented Programming, REST, Frontend, Backend, Agile Methodologies, Communication Protocols

PROFESSIONAL EXPERIENCE

University of Maryland

Jan. 2024

GRAD-MAP Undergraduate Researcher

Remote

- Leveraged **Python** libraries (**NumPy**, **SciPy**, **pandas**, **Matplotlib**) to analyze over **5,000 frames** of high-speed footage, uncovering patterns and trends within granular systems
- Presented research findings to graduate students and faculty, demonstrating the implications of our discoveries for the future of asteroid studies and potential exploration missions

New Energy Equity

Oct. 2023 – Dec. 2023

Energy Support Services Intern

Annapolis, MD

- Implemented and managed **APIs** within Salesforce and ProntoForms, optimizing data visibility for **250+ solar projects** with budgets ranging from **six figures** to **\$1M+**
- Synchronized **SharePoint** files and data with Salesforce during a company acquisition, resulting in a **40% reduction** in data retrieval time for **100+ employees**

PlayWell Teknologies

Jun. 2023 – Aug. 2023

STEM Lead Instructor

DC, MD, VA

- Instructed **200+ K-5 students** in STEM across 10+ diverse schools and recreation centers, incorporating LEGO projects to integrate robotics and engineering principles
- Led teams of up to 6**, fostering a collaborative environment emphasizing critical thinking and communication

YizzKicks

Dec. 2020 – Aug. 2022

Founder and CEO

Silver Spring, MD

- Led a 4-member team** to establish and operate a successful online business, achieving **\$50,000+** in sales
- Directed marketing campaigns and implemented competitive pricing strategies on high-demand footwear, clothing items, and technology, delivering value to **1,000+** customers
- Captured and refined product photos using **Adobe Photoshop**, **Illustrator**, and **Lightroom** for enhanced visual appeal and successful sales

PROJECTS

TradeTorch | *HTML* | *TailwindCSS* | *ReactJS* | *TypeScript* | *Vite* | *React/Tanstack Query* | *Appwrite API*

- Developing TradeTorch web application designed to connect lifelong learners with like-minded individuals, established professionals, and a real community to share their thoughts and ideas

PixeLink | *HTML* | *TailwindCSS* | *JavaScript* | *QRCode.js API*

- Developed PixeLink, a QR Code Generator web application, leveraging the **QRCode.js API** to enhance functionality and user experience

LEADERSHIP

Montgomery College | *STEM Ambassador*

Oct. 2023 – Present

- Actively contributes to the promotion of STEM education at Montgomery College through outreach activities, workshops, and events to inspire and mentor students in science, technology, engineering, and mathematics
- Manages and **curates content for the STEM Ambassador website**, ensuring an engaging online presence that reflects the initiative's mission and impact