

Yonatan Tussa

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EDUCATION

Montgomery College

A.A. in Computer Science

Takoma Park, MD

Expected Dec. 2024

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

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

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 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, leveraging the **Appwrite API** 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 app, enhancing functionality and UX with **QRCode.js API**
- Generated QR Codes for the Montgomery College STEM Ambassadors website, **boosting website engagement by 30%**

LEADERSHIP

Montgomery College | *STEM Ambassador*

Oct. 2023 – Present

- Inspires **hundreds of students** through mentoring, outreach activities, workshops and events, actively promoting STEM education at Montgomery College
- Manages and **curates content for the STEM Ambassador website**, ensuring an engaging online presence that reflects the initiative's mission and impact