

# 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

## 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