Yonatan Tussa

202-556-1564 | tussayonatan@gmail.com | linkedin.com/in/yonatantussa/ | github.com/yonatantussa

EDUCATION

Montgomery College — Takoma Park, MD
A.A. in Computer Science — *Expected Dec. 2024*

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

TECHNICAL SKILLS

Languages: Java, Python, C++, HTML/CSS, JavaScript
Tools: Jira, Figma, Adobe Suite, Salesforce, Git, Docker, AWS EC2, VS Code, Eclipse, MATLAB, Fusion 360, Linux

PROFESSIONAL EXPERIENCE

Raytheon Technologies - Collins Aerospace — May 2024 - Aug. 2024
Product & Technology Intern — *Annapolis, MD*

- Designed and developed a web-based internal tool for remote access to avionics test lab devices, featuring power controls, live video feeds of SATCOM antennas and network monitoring, **reducing access time by 60%**
- Deployed and hosted the tool as a service on a Linux server, and collaborated with cross-functional teams to integrate with existing systems for reliable cabin connectivity solutions
- Documented technical processes and created a user manual, streamlining future maintenance and development
- Created CAD models and 3D printed parts for lab use, enhancing functionality of the test environment

University of Maryland — Jan. 2024
GRAD-MAP Undergraduate Researcher — *Remote*

- Analyzed over **5,000 frames** of high-speed footage, leveraging **Python** libraries (**NumPy, SciPy, pandas, MatPlotLib**) to uncover patterns and trends within granular systems
- **Presented research findings** to graduate students, 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+ schools and recreation centers, leading teams of up to 6

YizzKicks — Dec. 2020 – Aug. 2022
Founder and CEO — *Silver Spring, MD*

- **Led a 4-member team** to establish and operate a successful business, achieving **$50,000+** in sales
- Directed marketing campaigns and implemented competitive pricing strategies on high-demand footwear and clothing, delivering value to **1,000+ customers**

PROJECTS

[Vistra - Bloomberg Most Philanthropic Hack Winner](#) | *Python | JavaScript | HTML | Figma | GazeFlow API*

- **Led a 4-member team** to build Vistra, a smart mirror accessibility aid that uses eye-tracking to make technology more accessible to individuals with physical disabilities

Biotech Pathfinder | *Java | Figma | Microsoft Visio*

- **Leading a team of 8 students** to develop a mobile application for Montgomery College's BioTrain™ program, providing biotechnology students with automated course recommendations and a personalized learning path
- **Collaborating with stakeholder** from BioTrain™ to address industry needs and meet project goals

[PixeLink](#) | *HTML | TailwindCSS | JavaScript | QRCode.js API*

- Developed PixeLink, a QR Code Generator web app, enhancing functionality and UX with **QRCode.js API**
- Boosted the Montgomery College STEM Ambassador website engagement by **30%** with custom QR codes