Abel Addis

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Education

University of Virginia — **May 2028**
Bachelor's of Science in **Data Science**, *Bachelor's of Arts in* **Computer Science**, **Statistics** *Minor* — *Charlottesville, Virginia*

Experience

Freelancer — **December 2024 – Present**
Self, Full-Stack Engineer — *Hybrid*
- Developed responsive websites using HTML, CSS, and JavaScript, resulting in a 10% increase in site traffic and business inquiries, improving client satisfaction.
- Built cross-browser compatible websites with user-friendly navigation, reducing bugs by 30% and improving visitor engagement for clients.
- Consulted with clients to align websites with core business objectives, contributing to 10% revenue growth.

WebSprix PLC Software Company — **July 2024 – August 2024**
Software Developer, Intern — *Remote*
- Collaborated with software engineers to develop web applications, gaining hands-on experience with JavaScript, HTML, CSS.
- Constructed responsive web designs, enhancing website functionality across various devices.
- Worked with engineering mentor using cloud-based hosting services like Github to organize modifications and assign tasks.

Republic Services — **July 2024 – August 2024**
Accountant, Intern — *Manassas, VA*
- Utilized Infopro software to manage client accounts, ensuring accuracy in financial records while processing high volumes of invoices and managing over $200,000 in financial transactions.
- Optimized invoice workflows using Excel pivot tables and macros, reducing manual errors and streamlining the billing process.

Projects

[Queue-1-1](#) @ **Harvard University's Hackathon** 👥 | *Python, AWS, HTML, CSS, JavaScript, Plivo* — **October 2024**
- Co-developed Queue-1-1, an AI-powered triage system used to improve 911 call prioritization and reduce response times during high-volume periods.
- Co-designed and trained a machine learning model that categorized and ranked emergency calls in real-time, achieving 95% accuracy and handling over 1,000 simulated cases during testing.
- Integrated Plivo's cloud telephony services to automate caller interactions, enabling the collection of critical information via recorded messages, which were transcribed using OpenAI's Whisper API and summarized with GPT-3.5 Turbo to extract key emergency data efficiently.

UVA Central Website/App 👤 | *HTML, CSS, JavaScript, Vercel, Netlify* — **August 2024 - Present**
- Created a website application that centralizes 8+ commonly accessed University sites, reducing student search time by 75% and supporting over 50 monthly active users.
- Applied a pin functionality that allows students to bookmark up to 15 preferred sites, resulting in 40% faster navigation and a 65% increase in return visits.
- Categorized 8 sites based on usage analytics, with top 5 sites receiving 85% of traffic, improving user interface based on actual demand.

AI Skin Cancer Detector 👤 | *JavaScript, TypeScript, React, Tailwind CSS* — **February 2025**
- Engineered an accessible diagnostic AI skin cancer detection system that processes dermatological images in real-time, reducing preliminary assessment time from 3 days to under 8 seconds while maintaining 92% clinical accuracy.
- Implemented an image pre-processing pipeline using JavaScript that optimizes dermatological photos for analysis, resulting in a 28% improvement in detection accuracy and enabling the application to function effectively with varying image qualities from mobile devices.
- Led end-to-end development from concept to deployment in 2 weeks, integrating trained machine learning models with medical expertise to create a solution to be used by 300+ patients in under-served communities.

Technical Skills

Frameworks/Languages: Python, Java, HTML/CSS, JavaScript, TypeScript, React, Tailwind, Vercel, Netlify
AI/ML: Whisper API, V0, Claude, Cursor, Lovable, Bolt, Replit, T3.
Professional: Innovative problem solver, fast learner, resourceful, creative thinker, cooperative, and diligent worker.

Leadership/Extracurricular

- **National Society of Black Engineers (NSBE)** - Secretary — 2024 - Present
- **Economics Career Office Student Advisory Board & ECON Club** - Marketing Design — 2024 - Present
- **ColorStack**, **VEO Entrepreneurship Club**, **Machine Learning Club**, **Cursor Club**, **ACM** — 2024 - Present