Devin Morgan

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https://devin-morgan-portfolio.vercel.app

Education

Old Dominion University   Norfolk, VA
Bachelor of Science in Computer Science   *Aug. 2019 – May 2025*

Phoebus Highschool   Hampton, VA
General Education   *Sep. 2014 – May 2019*

Experience

Data Entry Specialist and Program Developer   June 2024 – Present
Virginia Space Grant Consortium   *600 Butler Farm Rd Hampton, VA*
- Developed multiple **software applications** designed to control small drones and provide high school students with foundational programming education
- Maintaining and updating the **internship database** using Excel and **internal CRM systems**
- Leveraged **JavaScript frameworks** and **HTML** to create interactive learning experience applications.

Technology Analyst   Sep. 2023 – Present
ODU Procurement Services   *5115 Hampton Blvd Norfolk, VA*
- Evaluating surplus **hardware** to determine its quality and potential for resale
- Assess and troubleshoot **computer problems** brought by students, faculty and staff
- Assessing a diverse range of equipment, including **CPUs, laptops, projectors**, and other technology

Projects

Genesis AI | *Flutter, Firebase, Subabase, REST API, AI Integration, Docker*   January 2025 – Present
- Developed an advanced **AI-driven** chatbot app integrating **APIs**, including **OpenAI** and more
- Implemented **JWT authentication** on the backend within **Supabase edge functions**
- **Flutter** front end for **smooth, performant, and responsive** UI for both **iOS** and **Android**
- Use of **Redis** caching on the backend for **120% faster** API calls
- My app has been used by over **+9,000** users and has generated over **+55,000** chat requests and over **+2,500** images.
- Many features such as **real-time web search**, **AI generated images**, and **file uploads**

Plasma Puck Unlimited | *Unity, C#, iOS, Android, Game Development*   August 2023 – Present
- Developed a fast-paced mobile air hockey game with over **+20,000** downloads
- Use of **Unity services** for features such as **mobile ads**, **cloud remote config**, and **player analytics**
- Recognized and featured **twice** by the **iOS App Store**, with a **4.8/5-star** rating overall

Tello Coding Labs| *JavaScript, HTML, Electron.js, Python, Drone Programming, Software Development*   July 2024 – Present
- Developed over **4** educational **applications** to teach **coding** and **drone programming** to students using **Python**
- Accomplished **interactive drone coding** for students by **embedding a code editor** using **CodeMirror.js** within an **Electron.js** application
- Accomplished **real-time drone control** and **live video streaming** through integration of communication protocols using **FFMPEG** and **UDP packet transmission**
- My applications have been used to introduce over **+500** students to coding

Certifications

Drone Flying Certification - July 2024
AWS Certified Cloud Practitioner - April 2025

Technical Skills

Languages: JavaScript/TypeScript, HTML/CSS, Python, Java, C, C++, C#, SQL (Postgres), Flutter
Frameworks: React, Node.js, Flask, JUnit, Next.js, Material-UI, Electron.js
Developer Tools: Git, Firebase, Supabase, Vercel, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, NumPy, Matplotlib, Amazon Web Services, Postman