Devin Morgan

757-339-2700 | morgandevin1029@gmail.com
https://www.devin-morgan-portfolio.com | www.linkedin.com/in/devin-morgan-76764231a

Education

Old Dominion University   Norfolk, VA
Bachelor of Science in Computer Science   *Graduated May 2025*

Experience

Software Developer   June 2024 – June 2025
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
- Deployed https://www.dronecodinglabs.com by hosting it on **Vercel** to make this **software** accessible
- Leveraged libraries such as **Electron.js**, **Tauri**, and **Next.js** to create a cross-platform Website/Desktop App

Technology Analyst   Sep. 2023 – May 2025
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

VICEROY Cybersecurity Research Program   Nov. 2024 – May 2025
Department of Defense (DoD) Funded | Old Dominion University   *5115 Hampton Blvd Norfolk, VA*
- Selected for **prestigious** DoD-funded research on **GPS spoofing detection** using **transformer-based AI models**
- Applied **machine learning** techniques to real-world **cybersecurity challenges** in a collaborative **research** setting
- Designed and presented a **research poster** showcasing project outcomes to an academic audience

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**, **Claude**, **Gemini**, **Grok**, and more
- Improved backend **security** and **speed** by **120%** by implementing **Redis caching** with **JWT authentication**
- Used by over **+26,000** users and has generated over **+150,000** chat requests and over **+5,000** images
- Backend database on **Firebase** with some **Supabase** edge function use as well
- 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 hockey game with over **+22,000** 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

Drone Coding Labs | *JavaScript, HTML, Electron.js, Python, Drone Programming, Software Development*   July 2024 – Present
- Developed over **6** 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
- Achieved load speed increases over **150%** and lowered app size by **97%** by switching from **Electron.js** to **Tauri**
- Accomplished **real-time drone control** and **live video streaming** using **FFMPEG** and **UDP packet transmission**
- This has been used to introduce over **+1000** 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), Dart, Bash/Shell
Frameworks & Libraries: React, Node.js, Flask, JUnit, Next.js, Material-UI, Electron.js, Flutter, Tauri, Express.js, Tailwind
Developer Tools: Git, Firebase, Supabase, Vercel, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, NumPy, Matplotlib, Amazon Web Services, Postman, Redis, FFmpeg, Unity Services, CI/CD