Paul Atkins

Orlando, FL | 910-617-6450 | patkins789@gmail.com | [Portfolio](#)

Experience

TrackLab, LLC | Co-Founder & Lead Developer | NC **Mar 2024 – Current**

- Designed and developed a real-time race tracking and event management web application. Implemented HTML/CSS/JS front end & Go ETL backend for MongoDB.

- Engineered RESTful APIs to fetch and display race statistics, lap times, and driver performance. Implemented geolocation-based weather tracking, utilizing OpenStreetMap API and the National Weather Service API to provide localized weather data.

- Managed authentication and user access, implementing Google OAuth for secure event participation and administrative controls.

- Set up and managed the TrackLab web server, overseeing deployment processes, & server configurations. Maintained and structured the team's GitHub repository, enforcing branching strategies, code reviews, and version control best practices to streamline development and collaboration.

General Motors | Software Developer | Austin, TX **Sep 2021 – Feb 2024**

- Worked on CVI Insourcing project involving pulling from large databases and creating Power BI reports and Python scripts for data analysis. Transitioned to Full Stack Pyspark ETL Developer.

- Created & maintained CI/CD Automation & Release ETL Pipelines, populated/managed team's Hive/Hadoop/Greenplum datasets. Coordinated with the Cloud team on transitioning from on-prem TFS pipelines to Azure DevOps.

- Maintained team's Git repository, co-led deployments/releases for the project, and held daily working sessions for project's automation team.

- Led Quality Assurance on Power BI reports for newly formed team.

UNC Charlotte | Graduate Research Assistant | Charlotte, NC **Jun 2019 – May 2020**

- Worked on gaming and virtual/augmented reality projects for Microsoft HoloLens, HTC Vive, and iPad. Worked on projects in partnership with the Charlotte Fire Department.

- Created Augmented Reality CPR Guide/Manual, Worked on Augmented Reality Indoor Team Tracker.

UNC Charlotte | CCI Technology Solutions Office Technician | Charlotte, NC **Oct 2017 – Apr 2019**

- Lead Technician at IT Help Desk for UNC Charlotte's College of Computing and Informatics faculty and staff.

- Duties included: Lab maintenance, device deployment, equipment pickup/delivery/receiving, documentation, workstation imaging, client services ticket fulfillment, training new technicians, assist with client incident software/hardware diagnostics and remediation, and software deployment.

Education

UNC Charlotte | MS, Computer Science **Dec 2020**

Major: Computer Science | Concentration: AI, Robotics & Gaming | GPA: 3.8

UNC Charlotte | BS, Computer Science **May 2019**

Major: Computer Science | Minor: Computer Engineering, Mathematics | GPA: 3.3

UNC Charlotte | Undergraduate Certificate, Game Design & Development   **May 2019**

Skills

Programming Languages: Python, C#, Java, SQL, C++, HTML/CSS

Development Tools & Platforms: Azure DevOps, Git/GitHub, Unity, Unreal Engine

Software & Frameworks: Node.js, MongoDB, Power BI, Adobe Creative Suite

Other Technologies: RESTful APIs, CI/CD Pipelines, Cloud-Based Deployments, Microsoft Office