PAUL ATKINS

+1 (910) 617-6450 | patkins789@gmail.com | Orlando, FL, USA | linkedin.com/in/paul-atkins-300667104/ | patkins2.github.io/

EDUCATION

University of North Carolina - Charlotte   **August 2019 - December 2020**
Master's, Computer Science   *GPA: 3.8*

University of North Carolina - Charlotte   **August 2015 - May 2019**
Bachelor's, Computer Science   *GPA: 3.3*
- Minors: Computer Engineering, Mathematics

PROFESSIONAL EXPERIENCE

TrackLab, LLC   **Charlotte, NC, USA**
Co-Founder & Lead Developer   *March 2024 - Present*
- Designed and developed a real-time race tracking and strategy web application leveraging HTML/CSS/JS for the frontend and Go ETL for the backend, connecting to 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   **Austin, TX, USA**
Data Engineer   *September 2021 - February 2024*
- Contributed to the creation and maintenance of CI/CD automation pipelines and release ETL pipelines for large-scale data systems using Azure DevOps
- Designed, implemented, and maintained ETL pipelines using PySpark for data extraction, transformation, and loading, ensuring accurate and timely processing of large datasets
- Coordinated with the Cloud team and other stakeholders to troubleshoot and resolve issues impacting the stability of CI/CD pipelines, the transition of on-prem TFS pipelines to Azure DevOps, and optimizing release management processes
- Led Quality Assurance for Power BI reports, ensuring accurate data and standardized report cosmetics
- Contributed to over 50 successful deployments and managed the team's Git repository, coleading deployment/release management processes.

University of North Carolina - Charlotte   **Charlotte, NC, USA**
Graduate Research Assistant   *June 2019 - May 2020*
- Worked on projects in partnership with the Charlotte Fire Department. Worked on gaming and virtual/augmented reality projects for Microsoft HoloLens, HTC Vive, and iPad.
- Created Augmented Reality CPR Guide/Manual and worked on Augmented Reality Indoor Team Tracker in Unity.

University of North Carolina - Charlotte   **Charlotte, NC, USA**
CCI Technology Solutions Office Technician   *October 2017 - April 2019*
- Led IT support for the College of Computing and Informatics, assisting with device deployment, workstation imaging, and troubleshooting hardware/software issues for faculty and staff
- Coordinated the IT Help Desk team, mentoring new technicians and ensuring smooth operation through task prioritization and incident remediation
- Managed software deployments, client services ticket fulfillment, and maintained detailed documentation for service operations and IT procedures.

SKILLS

Programming: Python, Java, C#, SQL, HTML/CSS, C/C++
Tools & Platforms: JIRA, Azure, Git, Unity, Unreal Engine, MongoDB
Software & Frameworks: Adobe Creative Suite, Node.js, Power BI, Hive, Hadoop, Microsoft Office