Ryan Meyer

rpmeyer3@outlook.com | www.linkedin.com/in/rmeyer3 | github.com/rpmeyer3

OBJECTIVE

To seek an internship experience in which one may utilize software development techniques to contribute effectively to a cooperative team developing, testing, and maintaining high-grade software products.

EDUCATION

The University of Georgia, Athens, GA | Bachelor of Science in Computer Science May 2026
Franklin College of Arts and Sciences
Relevant Courses: Data Structures & Algorithms, Analysis of Algorithms, Discrete Mathematics, Databases, Operating Systems
GPA: 3.65/4.0

SKILLS

Programming Languages: Java, Python, C, C++, R, 80x86 Assembly, SQL / noSQL, PHP, JavaScript, .NET, C#
Experience with: Anaconda, Hadoop, Spark, Tableau, Power BI, Microsoft Excel, PowerShell, Dynamics 365, MySQL, SQL Server, Airflow, Docker, Kubernetes, REST & SOAP API, LAN Networking, VirtualBox, Bash, Git, JUnit5 / 4 Testing, Visual Studio
Operating Systems: Windows, Linux / Unix Environments

WORK EXPERIENCE

Data Engineering & Analytics Intern
Saia LTL Freight Department of Data Analytics and Insights – Johns Creek, GA - Hybrid
June 2024 – Present

- Designed, implemented, and automated distributed systems for log events using Apache Spark and Airflow.
- Developed and maintained robust data pipelines, ensuring efficient data flow and processing across various stages.
- Designed data schemas and operated internal data warehouses and SQL/NoSQL database systems
  Collected, cleaned, and analyzed large datasets from STS, WMS, and customer databases using SQL and Python.
- Applied data wrangling to get raw data into structured formats, identifying trends, patterns, and actionable insights.
- Architected reports using Tableau and Power BI for data-driven decision-making, optimizing routes, and reducing DT
- Designed, developed, and maintained metrics, reports, analyses, and dashboards for key business decisions.
- Monitored and troubleshooted operational or data issues in the data pipelines for smooth and reliable data processing.
- Collaborated with cross-functional teams to identify opportunities and deliver tailored data solutions.
- Utilized Docker for applications to deploy and scale data applications for route optimization and shipment tracking.
- Improved database and data warehouse performance by tuning inefficient queries, enhancing overall system efficiency.

PROJECT EXPERIENCE

Network Packet Processor | C++, Libpcap, Ubuntu Fall 2023

- Engineered a packet processing application in C++, featuring a semi-robust CLI.
- Integrated the libpcap library for cross-platform packet capture functionality foundation for LLN interaction.
- Architected a CLI utilizing the lightweight cxxopts library.
- Implemented features such as a capture filter, packet analysis, FBP, and snapshot length.
- Facilitated customization through options like network interface specifications.
- Tested and simulated the application with different network interfaces by providing command-line options.

Landmark Classification Interface | Python, GLD, TensorFlow Fall 2022

- Developed a VGG16 model for image processing using tf.keras framework.
- Instrumented the models image classification using both image-level & object-level notations.
- Employed 6000+ Google Landmarks Dataset RGB inputs, using OpenCV to rescale images to 256^2 pixels.
- Organized training batches of 128 inputs & finalized the model architecture with TensorFlow.
- Fine-tuned the ReLU activation modeling a $\sigma = \Omega(0.01(\alpha), \alpha)$ leaky function to negate node degradation.
- Unified the network locally to a GUI created with the PyQt library containing a Dropbox for a user's sample image and printed results generated in the Python console.