

Dmitri Naudzuns

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EDUCATION

University at Buffalo

Bachelor of Science in Computer Science

Buffalo, NY

Fall 2024

- 4.0 GPA
- Presidential Scholar, UB Honors Scholar, National Merit Finalist
- Deans List 6/6 Semesters

EXPERIENCE

Full Stack Software Engineering Intern

Linde plc

May 2023 – Present

Tonawanda, NY

Distribution Data Pipeline | *Python, Luigi, T-SQL, NGINX, Docker, Git, Azure DevOps*

- Designed and implemented a complete ETL system, merging data from multiple sources utilizing stored procedures executed as batch jobs with Luigi pipeline tasks
- Engineered a cohesive schema containing all useful distribution data for a weekly average of 35,000 customer stops and 12,000 truck routes, utilized by several other internal applications
- Improved previous query efficiency by 500%, reducing user wait time
- Optimized query logic, finding data source matches between 90,000 additional stops previously marked as missing

Distribution Dashboard | *Vue.js, Nuxt.js, Python, FastAPI, Google Maps API, Azure DevOps*

- Provided a comprehensive big-picture view for the entire distribution operation for 350 locations
- Directly led to a 37% increase in compliance rating in drivers for all 4 regions in the US
- Developed a full-stack application in an agile environment to provide KPIs that can be drilled down from nation-wide to customer level, exceeding upper-management requirements on deadlines and utility

Wheels and Lytx ETL Pipelines | *Python, Spark, Hive, Luigi, Azure Databricks*

- Augmented previously existing pipelines by consuming new daily datasets on company inventory and driver behavior provided by third-parties
- Used PySpark to clean data, create partition keys, and offload the data on Azure Databricks

PROJECTS

Raindle | *Quasar, Vue.js, Google Cloud Platform*

April 2024 – Present

- Built a daily wordle-like game averaging 3,400 daily users hosted at raindle.net
- Listened to community feedback, resolved opened GitHub issues to create a product people love
- Pulled data from a public API and performed several ETL operations, tripling the number of fields previously belonging to each model, making the data much more suitable for the application

Kademlia and Raft Consensus Protocol | *Go, Protobuf, CSP, TCP/UDP*

March 2024 – April 2024

- Implemented multiple fault-tolerant distributed systems in Go
- Utilized CSP-style concurrency and Protocol Buffers over TCP/UDP network sockets to implement a robust distributed hash table and consensus protocol equivalent to PAXOS

TECHNICAL SKILLS

Languages: Python, SQL (T-SQL/MySQL), Go, JavaScript, Java, PHP, HTML/CSS

Frameworks: Vue.js, Nuxt.js, Node.js, Quasar, Vuetify, Hadoop, Spark, Hive, SQLAlchemy, FastAPI, Flask

Developer Tools: Google Cloud Platform, Azure DevOps, Git, Terraform, Docker, RDBMS, NoSQL Databases, SQL Server Manager Studio, Protobuf, Power BI