Luis Dale Gascon

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SKILLS

Languages: Python, Java, HTML, CSS, TypeScript, Swift
Technologies: Linux, Git, Docker, PostgreSQL, MongoDB, Jest
Frameworks: Astro, React, Angular

WORK EXPERIENCE

SecurEd   Towson, MD
Data Analyst   *December 2024 – Present*

- Built data pipelines to extract production data from MongoDB Atlas, map document relationships across collections, and construct a normalized relational dataframe for analysis.
- Design and implement interactive data visualizations using Altair, transforming raw data into actionable insights.
- Utilized the Google Analytics SDK in Python to perform data analysis, extracting key metrics and identifying trends to inform business decisions.
- Created an interactive dashboard hosted on AWS using a custom container image running a Marimo notebook connected to the production database that allowed the marketing team to view up to date custom queries.

SecurEd   Towson, MD
Junior Software Developer   *May 2024 – Aug 2024*

- Collaborated in the comprehensive rewrite of legacy RESTful API microservices, enhancing error logging and significantly improving developer experience.
- Developed comprehensive unit and end-to-end tests with Jest, achieving high code coverage and ensuring API endpoint reliability.
- Designed and implemented Python scripts to automate modifications for local development environments, streamlining the development process.
- Developed GraphQL queries and MongoDB aggregations, enabling efficient filtering of information on a dynamic web page.

PROJECTS

nVolve | *Swift, Alamofire*   🐙 Code

- Developed an iOS application to aggregate Towson University events from multiple sources, providing users with a comprehensive view of events.
- Transformed JSON data from various sources into a standardized format, ensuring consistent data representation and ease of use.
- Integrated a mapping feature to plot events with coordinates, providing users with a visual representation of event locations.

EDUCATION

Towson University   Towson, MD
Master's of Science in Computer Science **4.0/4.0**   *May 2026*

Towson University   Towson, MD
Bachelor's of Science in Computer Science **GPA: 3.8/4.0**   *December 2024*

EXTRACURRICULAR

Hack UMBC

- Awarded the Adobe track prize for developing an innovative Adobe Express add-on, leveraging the PubChem API to enable users to seamlessly query and embed chemical structure images directly into their projects.

Data Analytics Competition

- Awarded 1st place for Towson University's data analytics competition
- Developed interactive data visualizations and computed statistical insights using Polars, NumPy, and Vega-Altair to support data-driven analysis