

# Luis Dale Gascon

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## EDUCATION

### Towson University

*Master's of Science in Computer Science*

Towson, MD

*May 2026*

### Towson University

*Bachelor's of Science in Computer Science GPA: 3.8/4.0*

Towson, MD

*December 2024*

## WORK EXPERIENCE

### SecurEd

*Data Analyst*

Towson, MD

*December 2024 – Present*

- Develop Python scripts to extract, transform, and load (ETL) data from a MongoDB instance, ensuring seamless data integration and efficient data management.
- Design and implement interactive data visualizations using Altair, transforming raw data into actionable insights.
- Architect and deploy WASM notebooks, using Marimo, on the web, providing the marketing team with self-service access to queried data. Eliminating the need for local development setups and improving data accessibility across the team.

### SecurEd

*Junior Software Developer*

Towson, MD

*May 2024 – Aug 2024*

- Collaborated in the comprehensive rewrite of legacy RESTful API microservices, enhancing error logging and significantly improving developer experience.
- Authored extensive unit and end-to-end tests using Jest for each API endpoint, ensuring high code coverage and bolstered 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.

## SKILLS

**Languages:** Python, Java, C++, HTML, CSS, TypeScript, Swift

**Technologies:** Linux, Git, Heroku, Docker, PostgreSQL, MongoDB, Jest

**Frameworks:** Astro, React, Angular

## 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.

## 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.

### Software Engineering Club

- Hosted multiple workshops on topics such as basic terminal commands and introduction to static site generators
- Led data structures and algorithms practice sessions twice a week to improve students' technical interview performance