

Luis Dale Gascon

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EDUCATION

Towson University

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

Towson, MD

Dec 2024

WORK EXPERIENCE

SecurEd

Junior Software Developer

Towson, MD

May 2024 – Present

- Collaborated in the rewrite of legacy RESTful API microservices into a monolith with improved error logging and developer experience
- Write extensive unit and end-to-end tests using Jest for each API endpoint implemented, ensuring high code coverage and enhanced reliability
- Design and implement Python scripts to automate modifications on local development environments
- Develop GraphQL queries and Mongo aggregations to allow filtering of information on dynamic web pages

Towson University

Classroom Technology Technician

Towson, MD

October 2021 – May 2024

- Developed Excel templates to automate data entry, enhancing efficiency and accuracy through formula-based transformations
- Documented technical procedures using MkDocs to easily reference solutions for common problems on the go
- Performed A/V repairs and computer troubleshooting on time to prevent lecture interruption
- Enhanced a Visual Basic app that generates static HTML files for the department's website much faster by skipping over unchanged directories
- Trained staff and instructors on the usage of the A/V equipment in the classroom
- Constructed modularized markdown instructions that export to HTML or PDF that cater to each classroom's available technologies
- Led a group of students to perform QA at over 700 classrooms on campus with AV equipment in record time

SKILLS

Languages: Python, Java, C++, HTML, CSS, TypeScript, C#, Lisp

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

Frameworks: SvelteKit, Flask, Gradle, Astro, React, Angular

PROJECTS

KeableView | *Flask, Bootstrap, PRAW, Heroku*

- A Python web application that emulates an Instagram feed of custom keyboard pictures and their descriptions
- Retrieves Reddit posts via Python wrapper for the Reddit API from a specific keyboard subreddit
- Deployed application using Heroku to take advantage of Heroku CI

Classroom Tours | *Astro, Supabase, Tailwind CSS, React*

- A modern rewrite of Towson University's CCLT website that showcases the different technologies that a classroom offers
- Incorporated Hugging Face's Inference API to quickly implement a question-and-answer bot for frequent classroom AV problems
- Utilized Supabase BaaS to host the entire backend

EXTRACURRICULAR

MedHacks Hackathon: Ranked 3rd in the 2022 MedHacks Hackathon for the "Innovations in Reducing Human Errors and Improving Patient Safety in Hospital Settings" track

Software Engineering Club: Hosted workshops such as easing students into using the terminal and use cases of markup languages