

# Luis Dale Gascon

☎ 520-989-4761 | @ luis.gcodes@gmail.com | 📄 luisgascon | 🌀 curlyLasagna

## EDUCATION

---

### Towson University

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

Towson, MD

Dec 2024

## WORK EXPERIENCE

---

### Towson University

*General Computer Science Teaching Assistant*

Towson, MD

Aug 2024 – Present

- Instruct students on binary, decimal, and hexadecimal counting systems, and mastering the conversion techniques between them
- Assist students in lab sessions by setting up their development environments such as text editors and compilers, allowing them to focus on applying classroom knowledge in practice
- Provide one-on-one tutoring and academic support to students, resulting in a measurable improvement in class average grades and student satisfaction
- Assist in the grading and assessment of assignments and exams, developing a keen eye for detail and provided unbiased feedback to enhance student's comprehension

### SecurEd

*Junior Software Developer*

Towson, MD

May 2024 – Aug 2024

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

## 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

---

### KeebView | *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 backend-as-a-service to host the entire backend

## EXTRACURRICULAR

---

### MedHacks Hackathon

- Ranked 3<sup>rd</sup> in the 2022 MedHacks Hackathon for the "Innovations in Reducing Human Errors and Improving Patient Safety in Hospital Settings" track

### Software Engineering Club

- Hosted multiple workshops such as easing students into using the terminal and introducing static site generators
- Led mock sessions twice a week on data structures and algorithms to improve students' technical interview performance