

# Carlos Victor Torres

A software developer building digital products to solve problems.

www.imcarlosvictor.com  
github.com/imcarlosvictor  
imcarlosvictor@gmail.com  
(647)-881-2154

## Projects

### Unified Fugitive Database

<https://github.com/imcarlosvictor/unified-fugitive-database>

- Created scrapers to extract active fugitive profiles from the FBI, RCMP, and Interpol
- Scheduled the scrapers to run at the start of every month with the use of Apache Airflow
- Aggregated the extracted profiles into a MySQL database
- Built a website with React and Django, with React consuming information from Django via REST API
- **Technologies:** HTML, CSS, JavaScript, Python, Django, React, MySQL, REST API, Heroku, Vercel

### Car Rental Service

<https://github.com/imcvlucas/lucas-car-rentals>

- Designed a mockup and prototype user interaction using Figma.
- Built the backend with Django to handle custom account and product creation, leveraged sessions to store and retrieve data when needed, and sent emails to customers once an order had been placed.
- Utilized Stripe API to handle payment processes.
- Integrated PostgreSQL to store user accounts and products.
- **Technologies:** HTML, CSS, JavaScript, Python, Django, PostgreSQL, REST API, Heroku

### Weather Forecast Viewer

<https://github.com/imcvlucas/weather-forecast>

- Integrated a public weather REST API provided by OpenWeatherAPI to fetch the weather data for the current week.
- Displayed weather data using HTML5/CSS and JavaScript.
- **Technologies:** HTML, CSS, JavaScript, Python, Django, REST API, Heroku

### GPU Price Scraper

<https://github.com/imcvlucas/gpu-scraper-amazon>

- Built a web crawler using Scrapy to extract structured data from Amazon.
- Utilized Pandas to filter, manipulate, and analyze the data. Once parsed, the data was plotted using Plotly to visualize the data extracted.
- **Technologies:** Python, Scrapy, Pandas, Plotly, Streamlit

### UX Design Capstone Project

<https://www.adamwilliamson.com/>

- Collaborated with a team to design, prototype, and test a business portfolio for Adam Williamson - an award-winning calligrapher, geometer, and carver.
- Conducted various user testing methods such as usability testing, heat maps.
- Built and launched the portfolio using Shopify.
- **Technologies:** Figma, Shopify

## Skills

### Programming Languages

Python, C++, JavaScript, HTML, CSS, MySQL

### Libraries & Frameworks

React, Django, Scrapy, Pandas, Plotly

### Tools

Git, Github, Linux, Vercel, Heroku, Streamlit, Apache Airflow, Figma, Shopify, MySQL, PostgreSQL, AutoCAD

## Education

### Computer Engineering, Sheridan College

January 2024 -

### User Experience (UX) Design Certificate, York University

January 2020 - August 2020

### Civil Engineering, Humber College

September 2014 - June 2017

## Events

### ISSessions Espionage CTF 2024

27th place out of 75 teams

## Interests

Game Theory, 3D Printing, Reading