

# Ikenna Porter

New York, NY • [ikenna.porter@gmail.com](mailto:ikenna.porter@gmail.com)

[linkedin.com/in/ikenna-porter](https://linkedin.com/in/ikenna-porter) • [github.com/ikenna-porter](https://github.com/ikenna-porter) • [ikennaporter.com](https://ikennaporter.com)

## Technical Skills

---

**Languages:** Python, Javascript, SQL

**Back End:** Django, FastAPI, RabbitMQ, Message passing, Websockets, PostgreSQL, SQLite

**Front End:** HTML, CSS, Bootstrap, SCSS, React

**System Design:** Microservices, Domain-driven design, Docker, RESTful APIs

## Application Development Experience

---

**Paw Wow** | *FastAPI, React & PostgreSQL* | [github.com/ikenna-porter/paw-wow](https://github.com/ikenna-porter/paw-wow) 2022

*A social media platform designed for dog owners to befriend and interact with one another*

- Architected the database schema and endpoint design for user profiles and direct messaging
- Incorporated direct messaging functionality through the use of websockets to facilitate instantaneous communication between users
- Wrote SQL queries that directly interacted with and queried a relational database
- Designed dynamic and interactive pages using HTML, CSS, Bootstrap and Javascript

**Mr. Librarian** | *Python & SQLite* | [github.com/ikenna-porter/mr-librarian](https://github.com/ikenna-porter/mr-librarian) 2022

*A command-line application that creates a digital library for users to store their favorite books*

- Implemented unit tests to assess the reliability of functions, methods and database queries
- Adhered to the SOLID OOP principles in order to produce clean and efficient code
- Fetched and parsed book data (in the form of JSON) from a third-party API

**Car Buffs** | *Django & React* | [github.com/ikenna-porter/car-buffs](https://github.com/ikenna-porter/car-buffs) 2022

*A car services platform that facilitates new car purchases and the scheduling of vehicle repairs*

- Incorporated RESTful APIs to promote communication between the front end and back end
- Performed fetch requests to retrieve information and dynamically render it on the client side
- Collaborated with peers using Git's version control system and GitLab's repository system
- Implemented polling function in Python to control communication between two microservices

**Task-Done** | *Django* | [github.com/ikenna-porter/task-done](https://github.com/ikenna-porter/task-done) 2022

*A task management app designed to help users stay organized and manage their projects*

- Employed the MVC framework in order to organize the project's code base
- Used Django's template tags to dynamically render information on static HTML files
- Worked with Django's ORM to manage all four CRUD operations in a SQLite relational database

## Professional Experience

---

**Madrid Ministry of Education** | *English Teacher* Jan. 2018 - June 2022

- Oversaw and mentored classrooms of 20-28 students in public elementary and high schools
- Employed social constructivist teaching methodologies and inquiry-based learning practices to encourage positive behavioral changes and to foster a stimulating learning environment

## Education

---

**Hack Reactor**, *Software Engineering Immersive*

July 2022 - Nov. 2022

**University of Virginia**, *B.A. in Economics*

July 2011 - May 2015