Gabrielle Burgard

Software Engineer

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Skills

Languages: Python 3, JavaScript ES6+, PHP, Java, Rust, Typescript, SQL,HTML/CSS
Front-End: DOM manipulation, WebSockets, React, React Hooks, Bootstrap, Angular
Back-End: Django 4, PostgreSQL, MongoDB, FastAPI, RabbitMQ, Node.JS
System Design: Microservices, Domain-driven design, Message passing, Event sourcing, Linux, Docker, AWS, Terraform

Education

Champlain College | BS in Computer Science	2023
University of Houston | Masters in Philosophy of Artificial Intelligence	2021
University of Houston | BA in Philosophy	2019
Hack Reactor | Advanced Software Engineering Immersive Program	June 2023
Web Programming | Certificate	2022

Work Experience

Fullstack Software Engineer- Allfly   October 2023-present

- Here I currently help build both the backend and front end of the Allfly Quest and Backoffice web applications. I contribute to a testing suite using unit, integration, and UI tests with Pytest. Here I also gained experience in DevOps with Terraform and AWS.

Software Engineering Intern - Hack Reactor   July 2023- October 2023

- At Hack Reactor I got the opportunity to help students with their code, teach them how to implement the new technologies they were learning, hold study halls to help them with CS concepts, be there for them on their software engineering journey, as well as work on the backend framework for the Student Information System.

Coalition Project Coordinator - Fort Bend Regional Council   2021- 2022

- Worked for a nonprofit that's goal is to reduce substance abuse in our community. I worked on our website (using Wordpress) and handled all social media marketing for our organization as well as some of the event planning, coordinating, grant writing.

Teaching Assistant (Graduate Assistant Fellowship) -University of Houston   2019-2021

Application Development Experience

- **Philhub** - Personal project **(Django, React) - https://github.com/Gsbirds/Philhub**   March 2023
  - Engineered a website that uses Django and React to allow people to login, upload, view, favorites, and take notes on philosophy publications.
  - Utilized web sockets for connection between users.
- **Checkit -** Group project **(React, FastAPI, PostgreSQL)** -https://gitlab.com/team-dogge/module3-project-gamma   June 2023
  - Collaborated with a group to develop a website with React and FastAPI that allows users to search a particular fact or claim with Google's third party api and then save that claim.
- **Reproductive Health Policy - https://github.com/Gsbirds/reproductivehealthpolicy**   April 2023
  - Personal project **(React, Django)-** Built a website that pulls from a third party API in order to give women information about reproductive healthcare based on their state.
  - Utilized websockets to allow users to chat if they have questions or need support.