Augusto Sales de Queiroz
Software Engineer

Back-end *software engineer with* **front-end** *experience, passionate about* **writing code** *to leverage the power of* **data**.

📞 +1 (425) 209-6729 | ✉ asqueiroz@outlook.com
🌐 www.augustoqueiroz.com | in /augustoqueiroz | ⌂ augustoqueiroz

Experience

Microsoft | Software Engineer   *Jan. '23–Present*

- **Fully designed** and **developed** an **API** to automatically **generate descriptions** for properties being listed through **Bing**. Leveraged user-provided structured information and *OpenAI's GPT-3*, and deployed as an *Azure Function*.
- **Trained** and **deployed** a **price estimation model** to suggest listing prices to homeowners listing with **Bing**. Used *Python*, *Sklearn*, *ADF*, and *Azure Functions*.
- Upgraded **fraud detection** system to **improve coverage** and **precision** by moving from a heuristic-based to an incremental penalty model and identify additional signals, including estimated price and user information and behavior.

Microsoft | Software Engineer Intern   *May '21–Aug. '21*

- **Designed** and **implemented entity clustering** for the Bing Real Estate answer on **maps**, clustering **millions** of real estate entities in the backend and creating a custom UX treatment for the cluster POIs. Leveraged *Sklearn's KMeans* and *Python's multiprocessing* for clustering and wrote custom logic in the *TypeScript* UX codebase for the new treatment.

Gemu | Software Engineer Contractor   *Mar. '21–May '21*

- Co-**designed** and **implemented** a product to allow gamers to participate in **public user-created challenges** for **Brawl Stars** in the Gemu platform and track progress via integration with the game's public API. Used *Node.js*, *AWS Lambda*, and *AWS Dynamodb*.

Inria | Research Intern   *Mar. '20–Dec. '20*

- **Designed** and **developed** an **experimentation suite** to test and validate a **novel bioinformatics tool**, automating its execution with different parameter sets and processing the results. Used *Python*, *Multiprocessing*, and *Matplotlib*.

Education

BSc. Computer Engineering | Universidade Federal de Pernambuco   *2022*

Computer Science Exchange Student | Polytech Nice–Sophia   *2019–2020*

Skills

Programming
4+ years Python / SQL
2+ years C# / C/C++ / Swift / JavaScript
others Go

Technical
Git / Machine Learning / Azure / AWS / Data Engineering / Unit Testing / Embedded Systems Design & Development / Linux / React

Languages
Portuguese (*Native*)
English (*Fluent*)
French (*Advanced*)