

John R. Molina

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TECHNICAL SKILLS

Languages: Python, C/C++, PHP, Bash (Zsh), SQL (MySQL, PL/SQL, SQLite3), Java, Ruby, JavaScript, Swift, HTML/CSS, LaTeX
Frameworks: Django, Node.js, Tailwind CSS, Bootstrap, React, Wix, Django Rest Framework, Material-UI, Spring
Developer Tools: Git, Docker, Gunicorn, Google Cloud Platform, AWS, NeoVim, VS Code, PyCharm, IntelliJ, Eclipse
Libraries: pandas, NumPy, Seaborn, Matplotlib, Axios, Capybara, RSpec, Regular Expressions

EXPERIENCE

AI Coding Trainer Feb. 2024 – Present
DataAnnotation Tech Remote

- Conducted training for private Large Language Models, with a focus on computer science and programming domains to enhance the efficacy of various in-house models.
- Performed domain research to train and maintain AI Model accuracy for improved programming and Computer Science related models.
- Implemented data-driven evaluation strategies to enhance the precision and reliability of model conversations.
- Participated in coding projects to train two models simultaneously across multiple programming language projects.

Development Assistant Dec. 2017 – Aug. 2022
Columbia University, Office of Alumni & Development Data Management Group New York, NY

- Managed and conducted data integrity efforts by performing data corrections using an Oracle database with PL/SQL, Excel, and Python to create a pipeline of fundraising data.
- Reduced the unverified record population from 15% to 4%, ensuring accurate and reliable fundraising data.
- Helped exceed fundraising targets of \$4 billion and \$5 billion year over year through strategic data engineering, resulting in deeper donor relationships and 106% more engaged alumni over previous years.
- Spearheaded data-driven portfolio and philanthropic data verification and analysis projects using LexisNexis, Initium, and Salesforce.
- Utilized Salesforce to deliver comprehensive data management services across the university through a user-facing ticketing system, providing top-tier customer service.
- Collaborated closely with systems engineers, fundraisers, gift officers, and development teams to optimize data pipeline processes to enhance fundraising operations and data efficacy.

PROJECTS

www.johndev.io | *Git, Django, JavaScript, React, SQLite3, Ubuntu Droplet* January 2024 – Present

- Designed, developed and currently maintain a Django web app for my software engineering portfolio and technical blog.
- Relational database and Django Rest Framework API implemented to store and display website content.
- Frontend light & dark themes along with custom data manipulation tooling written in Tailwind CSS and JavaScript.
- Developed a REST API using Django Rest Framework and SQLite3.
- Implemented CAPTCHA, rate limiting, among other cybersecurity countermeasures in production.

redis-c | *C/C++* Jun 2024 – Present

- Writing a clone of Redis in C and C++ from scratch.
- Implementing Systems and Network programming concepts aimed at providing a lightweight in-memory database solution for web apps.
- Currently in development.

EDUCATION

Montclair State University Montclair, NJ
Bachelor of Science in Computer Science Aug. 2022 – Jan. 2024

Hudson County Community College Jersey City, NJ
Associate of Science in Computer Science Aug. 2013 – May 2016