John R. Molina

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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*

TECHNICAL SKILLS

Languages: Python, C/C++, PHP, Python, 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

Programming AI Coding Trainer Feb. 2024 – Present
DataAnnotation Tech *Remote*
- Conducted extensive training for Large Language Models, with a focus on computer science and programming domains, to enhance the effectiveness of various in-house models.
- Performed domain research to train an Artificial Intelligence Model for improved coding prompt responses.
- Implemented data-driven evaluation strategies to enhance the precision and reliability of model conversations.
- Participated in various coding projects to train two models simultaneously across multiple languages including C, C++, Java, JavaScript, Swift, Python, and Bash.

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 and Excel to create a pipeline of up-to-date nonprofit university fundraising data.
- I helped exceed fundraising targets of $3 billion, $4 billion, and $5 billion year over year through strategic data management, resulting in deeper donor relationships and 106% more engaged alumni on average.
- Spearheaded accuracy-driven constituent and philanthropic data verification projects using LexisNexis, Initium, and other platforms to ensure the integrity of fundraising-related operations.
- Utilizing Salesforce, I spearheaded the delivery of comprehensive data services across the university, while also overseeing a user-facing ticketing system. This system provided top-tier customer service to various schools and departments, ensuring seamless and efficient support.
- I worked closely with systems engineers, fundraisers, gift officers, and prospect development teams to optimize data pipeline processes, significantly enhancing fundraising operations and overall efficiency.

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 blog.
- Relational database and Django Rest Framework API implemented to store and display website content.
- Frontend light & dark themes along with tooling written in Tailwind CSS and JavaScript.
- Developed a REST API using Django Rest Framework and SQLite3. Implemented CAPTCHA and blog comment rate limiting.

redis-c | *C/C++* Jun 2024 – Present
- Writing a clone of Redis in C and C++ from scratch.
- Implementing Systems and Network programming concepts for a load bearing database living in your RAM.
- Currently in development.