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Joshua Loufek

Work Experience

Python AI Code Reviewer   March 2024 – Present

GlobalLogic – Digital Product Engineering and Services

- Curated custom datasets to train generative AI models for a top 10 Fortune 500 tech company.
- Performed quality control and analysis on machine-generated code by providing principle-based feedback to train the models to avoid mistakes.
- Enhanced model response factuality by 20% and efficiency by 5% for 10M+ users.
- Trained new hires, moderated chat spaces, and provided guidance for edge-case scenarios.

Junior Developer   July 2022 – June 2023

Evolve, Inc. – Local North Carolina Marketing Agency

- Developed new websites on WordPress, WebFlow, and Wix using client design documents.
- Managed a hosting environment with over 75 websites using Digital Ocean, AWS, Cloudflare and GoDaddy. Also implemented new services such as Google Analytics.
- Routinely maintained client websites and updated content while adhering to SEO best practices.
- Grew revenue by 50% and reduced operating cost by 20% in Q1 2023 compared to Q1 2022.
- Maintained email hosting systems and migrated them from Rackspace to Microsoft 365.

Education

University of Central Florida – B.S., Computer Science   Orlando, FL

Major GPA: 3.73   Fall 2019 – Summer 2021

- *Selected Coursework:* Artificial Intelligence, Object Oriented Software, Algorithms for Machine Learning, AI for Game Design, Robot Vision, Security in Computing.

Projects

Senior Design: Player Detection and Tracking – Project Lead

- Developed a python-based, machine learning web application for gathering and processing data from broadcast soccer videos to improve footage analysis for professional teams.
- Communicated weekly with sponsor, coordinated team meetings, supported team members as needed, coded multiple web pages, and ensured the project stayed on schedule.
- Researched and developed the general system design, a real-time player tracking algorithm, an interactive web page utilizing that algorithm, the relational database, and all API endpoints.
  - Technologies: Python, Dash, Flask, Pandas, PostgreSQL, AWS.

Certifications and Programming Languages

Certifications

- *Associate-Level Python Programmer (PCAP)*, Python Institute – Completed February 2024
- *Entry-Level Python Programmer (PCEP)*, Python Institute – Completed December 2023

Programming Languages

- Python, C#, C, Java, HTML, Haskell, Erlang