Michael Perl

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EDUCATION

University of Vanderbilt, School of Engineering
Bachelor of Science in Computer Science, Dec 2023
GPA: 3.55

SKILLS

- Programming: JavaScript, Python, C++, Java, React, Next.js, Node.js, Git, SQL
- Databases and Platforms: MongoDB, Firebase
- Processes: CI/CD, Agile methodology
- Languages: Proficient in Hebrew and German

PROFESSIONAL EXPERIENCE

Publicis Sapient, New York, NY
Software Engineering Intern   June 2023 - Aug 2023

- Collaborated in an 8-member team to architect an internal tool for the Quick Service Restaurant Marketing team, leveraging generative AI capabilities.

- Organized API integration and implementation of openAI integration for custom chatbot.

- Led front-end development with React, build server rendered pages using next.js to allow for seamless navigation of application.

- Authored robust, testable code in adherence to project specifications allowing for efficient troubleshooting.

- Successfully showcased the product to high-profile industry clients at completion of internship.

Technical University of Munich, Munich, DE
Software Engineering Intern - Autonomous Driving Research Team   May 2022 - July 2022

- Collaborated with PhD scholars to craft a testing infrastructure for simulating autonomous vehicles.

- Developed Java modules to parse raw sensor data, converting it into structured CSV formats.

- Pioneered an innovative algorithm to analyze time-series data, ensuring accurate translation of traffic maneuvers from drone-captured data into simulations.

- Refactored an expansive code base, enhancing abstraction for future developments.

APF Properties, New York, NY
Acquisition / IT Intern   Aug 2020 - Aug 2021

- Engineered a web scraping script in Python to facilitate market rental analyses, continuing to oversee code base maintenance.

- Executed comprehensive due diligence for a 331-unit apartment complex in Dallas, TX.

- Spearheaded an initiative to mount a 414KWh system on a Dallas property roof, resulting in a 14% reduction in electricity expenses.

PROJECTS

QuickComps

- Engineered the back end of a website for prospective multifamily real estate investors, enabling them to generate competitive rent analysis sourced from popular rental platforms.

- Crafted a responsive back end API in JavaScript that catered to queries based on zip code or city name, ensuring fast and accurate data retrieval.

- Worked extensively on data processing and error checking to ensure properly formatted .csv output