Trevor Seestedt

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EDUCATION

B.S. in Computer Science from University of South Carolina   Graduation: May 2025
Achievements: Dean's List (Fall 2021, Fall 2024)

RELEVANT COURSEWORK

Courses: Software Engineering, Data Structures & Algorithms, Operating Systems, Database System Design, Advanced Programming Techniques, Artificial Intelligence, Mobile Application Development

WORK EXPERIENCE

Data Operations Intern | FINTRX - Boston, MA   *June 2024 to August 2024*
- Conducted manual and tool-assisted auditing of financial firms to gather crucial data used by clients, this ensured seamless and reliable integration with Cloud-based platforms like Snowflake.
- Developed Python automation scripts utilizing Git/GitHub for version control, employed BeautifulSoup for HTML scraping and Pandas for data cleaning, gathered and validated 50,000+ data points across in CSV datasets to successfully reduce collection and review time.
- Optimized Python script performance in an Agile environment by switching to an asynchronous I/O (Asyncio, Aiohttp), allowing for a process of 300+ requests/sec for large-scale data sets.
- Integrated OpenAI's RESTful API to prototype AI/ML-driven validation workflows to automate error identifications at high accuracy for hundreds of records.

IT Technician Intern | PCS - Moorestown, NJ   *May 2023 to January 2025*
- Provided technical support to resolve over 2,000 support tickets with a 95% success rate using JIRA, resolving computer, network, and software problems over the phone and in person.
- Managed diverse environments (Microsoft 365, Entra ID, and Linux) for clients, collaborating with other technicians to resolve urgent networking and server issues efficiently.
- Trained 5 newly hired technicians on internal tools (PowerShell, Active Directory, and DNS) and CI/CD practices, leading to more consistent ticketing workflows and decrease in troubleshooting time.
- Independently traveled to over 15 on-site locations for varying clients, swiftly resolving critical server and hardware issues while maintaining consistent communication.

PROJECTS

ColdCall | Django, Python, JavaScript, SQL, HTML/CSS
- Worked full-stack in a team of 5 students through the full software development lifecycle to build a Django-based web application for a university law professor using Python, JavaScript, and SQL.
- Developed data visualization tools using HTML and CSS for optimal viewing of student metrics through tables, dashboards, and graphs.
- Engineered a reliable backend with SQL (MySQL, PostgreSQL) and tested with Selenium to ensure scalability for 100+ classes.
- Designed a custom multi-page interface with student selection, attendance logging, and participation tracking features for dynamic usability using Python and JavaScript.

Custom Learning Management System | Java, JSON
- Led team of 3 students to create an LMS to handle courses/coursework for students and teachers
- Architected with Java and JSON to build backend and frontend, utilized Agile and Git/Github to achieve optimal workflows.
- Utilized 3+ design patterns for efficient data interchange and storage, reducing code redundancy and enhancing system scalability while streamlining feature implementation.
- Allowed users to track grades and interact with materials through the model-view-control design, simulated a load using Apache JMeter for 500+ users to ensure stability.