

Joseph Westhoff

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Education

Fairfield University

Fairfield, CT

BS, Computer Science. 3.61

Relevant Coursework: Data Structures, Design and Analysis of Algorithms, OS, Theory of Programming Languages

Fairfield University

Fairfield, CT

BS, Mathematics. 3.61

Relevant Coursework: Linear Algebra, Probability Theory, Discrete Mathematics, Logic, Multivariable Calculus

Experience

Social Change

Remote

Software Consultant

August 2023 – Present

- Conducted thorough analysis of the app's middleware to fortify defenses against XSS-based attacks and identified potential security vulnerabilities within Node.js code.
- Verified compliance with PCI-DSS standards and enforced adherence to best practices, ensuring comprehensive documentation including README files and thorough commenting.
- Devised a strategic scaling plan for servers, highlighting the advantages of Horizontal and Diagonal Scaling methodologies to optimize performance and accommodate growth effectively.

Gowanus Yacht Club

Brooklyn, NY

Bar Tender and Cook

May 2023 - August 2023

- Managed daily profit calculations with precision and reliably handled cash transactions at the conclusion of each shift, prioritizing security and accuracy.
- Skillfully prepared orders and maintained service standards to guarantee customer satisfaction and loyalty.

UBS

New York, NY

Branch Service Associate

July 2022 - October 2022

- Efficiently managed data operations including updating spreadsheets and overseeing stock controls with precision and timeliness.
- Demonstrated adeptness in safeguarding client confidentiality while executing responsibilities in a remote work environment.
- Fostered seamless communication and collaboration within the team to consistently deliver high-quality outputs to our supervisor.

Calculus Tutor

Fairfield, CT

Private Tutor

September 2021 - May 2022

- Effectively simplified complex concepts, facilitating comprehensive understanding among students through clear and accessible explanations.
- Successfully elevated my student's math proficiency, transforming grades from D-level to A-level through targeted instruction and support.
- Provided comprehensive assistance with homework assignments, adeptly prepared my student for tests, and fostered deep comprehension of the subject through personalized guidance and mentoring.

Leadership & Activities

Computer Science Society Vice President

Fairfield, CT
January 2023 - Present

- Orchestrated engaging computer science events featuring project showcases, peer support initiatives, and activities aimed at igniting project inspiration among members.
- Organized a productive excursion to a neighboring university's STEM job fair, providing students with invaluable opportunities to secure employment and internships in their field of study.

Junior Clinic Team Lead

Fairfield, CT
January 2023 - Present

- Directed and supervised a proficient team of colleagues, guiding them through the development process of an app.
- Implemented and managed an effective schedule, ensuring the team consistently remained ahead on project timelines and milestones.
- Presented our app and business model to a panel of investors with finesse and persuasiveness, resulting in securing funding for potential future plans.

Skills

Software: Linux, Cisco Packet Tracer, Oracle VM, Ubuntu, Wireshark, PyTorch, Scikit-learn, Matplotlib

Technical: Python, C/C++, Java, LaTeX, HTML, CSS, JavaScript, Flutter.

Soft: Time Management, Problem-solving, Leadership.

Language: French-intermediate proficiency.