

David Cincotta

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Summary

Skilled Software Developer with expertise in developing multithreaded C/C++ simulations and servers. Proven full-stack development skills with Node.js and TypeScript, deployed on AWS. Experienced tutor with over 500 hours in advanced technical courses like Operating Systems and Algorithms, earning a 5-star rating. My passion for broad foundational knowledge drives my practical approach to system architecture, server maintenance, and writing clean, efficient code. Eager to apply my diverse skill set, I excel in fast-paced environments that require quick learning and innovative problem-solving, delivering cutting-edge technological solutions

SKILLS

- Programming Languages: C | C++ | JavaScript | TypeScript | Python | Java | Rust
- Infrastructure Management: Scripting | AWS | Docker | Linux
- Work Experience: Full Stack Development | Statistics | LLM Applications | Simulations

WORK EXPERIENCE

Software Developer Contractor | Umshini

(4/2023) – (10/2023)

Innovated with new ways to use LLMs, which were put into our main product offering, and the eventual patent filing. Used a wide tech stack based in Python, leveraging Reinforcement Learning libraries and Langchain. Created environments and agents that specialise in red teaming. Server maintenance and development were recurring tasks. My System Architecture diagrams were submitted along with the patent filing.

Computer Science Tutor | Wyzant

(3/2023) – Present

Tutoring subjects like Algorithms and Operating Systems has helped me solidify and explore new topics like Kernel Development. This opportunity helped get struggling students up to speed, and proficient students to excel, while informing myself of completely new subjects. Tutoring vastly improved my communication skills such that I can explain complex subjects at a variety of levels.

Software Developer Intern | eCurrency

(9/2022) – (12/2022)

This company provides a CBDC SaaS solution for entire countries. I gathered information from our Linux installations on AWS to contribute to a security assessment and maintain production servers. Through extensive scripting and documentation I found and updated all the certificates managed by our company. In this process, I also set up an in-house Central Authority with openssl so it would be easier and cheaper to issue new TLS certificates.

EDUCATION

BS CS, Computer Science | University of Massachusetts Amherst

Graduation Year (2023)