Isaac Stumps

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EDUCATION

California State University, Fullerton — Expected May 2025
Bachelor of Science, Computer Science
Coursework
Object-Oriented Programming | Data Structures | Algorithmic Engineering | Databases | Software Engineering

EXPERIENCE

Frontend Developer — November 2023 – May 2024
MeezaTech - TableTalkAi — *Remote*
- Worked on a AI driven chat features for a B2B SaaS platform, enhancing user engagement by 90%.
- Transformed Figma designs into responsive pages, creating optimized and reusable React components.
- Collaborated with cross-functional teams in an Agile environment to ensure seamless frontend-backend integration, demonstrating strong problem-solving, as well as verbal and written communication skills.

Coding Instructor — August 2023 – Present
Coding Minds — *Irvine, CA*
- Instructing AI, Python, Roblox, and Minecraft game development to groups ranging from 1 to 20 students.
- Creating a positive learning environment, boosting student engagement and retention by 97%.
- Tailoring teaching methods to various skill levels while ensuring alignment with industry standards.

Artificial Intelligence Researcher — May 2023 – July 2023
ASSURE-US, Summer Undergraduate Research — *Fullerton, CA*
- Processed and visualized large datasets using Pandas and Numpy, optimizing analysis workflows.
- Built a TensorFlow salary prediction deep learning model with 90% accuracy, through hyperparameter tuning.
- Presented findings through graphs and reports to over 100+ peers and researchers.

PROJECTS

CurriculumGen - AI Course Generation Platform — github.com/istumps/CurriculumGen
- Built an AI-driven platform with React, Next.js, and PostgreSQL, automating 90% of course creation.
- Leveraged Gemini API to generate content, including code examples and videos, reducing manual input by 80%.
- Utilized Drizzle ORM and PostgreSQL to streamline data management and optimize CRUD operations efficiently.

AI Mock Interview - Fullstack Web Application — github.com/istumps/ai-mock-interview
- Created full-stack interview app with React and Next.js, improving prep by 50% through real-time AI feedback.
- Implemented NLP feedback to analyze responses providing instant, personalized feedback.
- Built scalable backend with Drizzle ORM and PostgreSQL, ensuring seamless CRUD operations for 200+ users.

TaskFlow - Task Management Web Application — github.com/istumps/TaskFlow/
- Built a task management app with TypeScript, React, and Next.js, featuring workspaces and drag-and-drop cards.
- Optimized CRUD operations with Prisma, MySQL, and REST APIs, enabling data handling for 5+ teams.
- Leveraged Stripe for secure payment processing.

TECHNICAL SKILLS

Languages: JavaScript/TypeScript, Python, C++
Frontend/Backend: React, Next.js, Node.js, Express.js, SQL, MySQL, PostgreSQL, MongoDB, HTML/CSS, Tailwind CSS
Developer Tools: Git/Github, Clerk, Stripe, Jupyter Notebook, Figma, Jira, Visual Studio, Linux
Libraries: TensorFlow, Scikit-Learn, Seaborn, Pandas, NumPy, Matplotlib

LEADERSHIP

Project Manager — August 2024 – Present
National Society of Black Engineers
- Oversee technical and non-technical projects to foster the professional development of NSBE members and promote the achievements of the NSBE CSUF Chapter.

STEM Chair — September 2023 – May 2024
National Society of Black Engineers
- Led initiatives to promote academic and professional development for underrepresented communities in STEM.