Kenny Garcia

⚲ Whittier, CA | ✉ kennygarcia15@yahoo.com | ☎ (562) 536-2101 | 🔗 yourwebsite.com | in yourusername

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Education

California State University Fullerton, Bachelor of Science in Computer Science   Sept 2023 – Dec 2026
- **Coursework:** Computer Architecture, Comparison of Learning Algorithms, Computational Theory

Work Experience

Programming Instructor, Coding Minds Academey – Irvine, CA   Nov 2024 – present
- Empowered K-12 students to develop programming skills through hands-on projects, leading to improved problem-solving and creativity
- Enhanced student engagement and understanding by teaching coding concepts in Python, JavaScript, and Scratch, increasing class satisfaction scores by 20%, using interactive coding exercises and real-world applications
- Created a positive learning environment fostering student confidence and curiosity, leading to success in national coding competitions and Ivy League placements through personalized mentoring and curriculum adaptation

Projects

CodeClimber – Fullerton, CA   Feb 2024
- Developed Code Climber, a web application for tracking coding interview progress on platforms like LeetCode and HackerRank, enabling users to save solutions, problem prompts, and complexity details
- Implemented the frontend using Next.js, HTML, and CSS, providing customizable user experiences and dynamic interface features to improve user engagement
- Built the backend using ExpressJS to manage data storage and server functionality, enabling users to access and update their progress across multiple devices

SympToDialog – Irvine, CA   June 2023
- Developed an AI-powered chatbot for healthcare provider training, enhancing diagnostic skills in sensitive STI conversations, using JavaScript, Node.js, and OpenAI API for realistic dialogue generation
- Built a scalable application architecture supporting real-time interaction and secure data management, leveraging Next.js and Firebase for seamless performance and user authentication
- Collaborated on UI design in Figma, creating an intuitive and visually appealing interface that received positive feed back

Extracurricular Activities

Association for Computing Machinery, AI Officer – Fullerton, CA   Jan 2024 – present
- Board member of the AI Team for ACM, actively organizing and leading workshops on algorithms, AI, and software development, with hands-on projects that simplify complex topics for students
- Organized and conducted Python workshops, focusing on AI libraries such as NumPy, Pandas, and PyTorch, enabling students to apply these tools in real-world scenarios through interactive code-along sessions
- Developed Google Colab worksheets to provide students with follow-along guides, enhancing their learning experience and offering a resource for future reference in projects and studies

Awards

Winner of Youtube Health Innovation Prize, National Academies Hackathon   June 2023
- Developed SympToDialog, an AI chatbot to train healthcare providers in STI diagnostics, improving confidence in taking sexual histories through diverse personas and AI technology using JavaScript, Node.js, and OpenAI API, earning the YouTube Health Innovation Prize solution using JavaScript, Node.js, and OpenAI API, earning the YouTube Health Innovation Prize

Skills

Programming: C++, Python, JavaScript, x86 Assembly

Frameworks & Libraries: React.js, Node.js, Express.js, Flask, jQuery, EJS

Tools: Git, Unix, JSON, API, GUI, Matplotlib

Databases: SQL, PostgreSQL

Publications

3D Finite Element Analysis of No-Insulation Coils   Jan 2004

Frodo Baggins, *John Doe*, Samwise Gamgee

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