

Kenny Garcia

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EDUCATION

California State University, Fullerton

Fullerton, CA

Bachelor of Science in Computer Science

Aug 2023 – Expected May 2027

Relevant Coursework: Software Design, Linear Algebra, Software Testing, Natural Language Processing

SKILLS

Languages: C, C++, Python, Java, JavaScript, TypeScript, SQL

Frameworks & Libraries: React.js, Next.js, Node.js, Pandas, NumPy, PyTorch, TensorFlow, PostgreSQL

Software Tools: Git, Docker, Neovim, Jupyter Notebook, Linux, Conda

EXPERIENCE

Computer Science Instructor

Nov 2024 – Present

Coding Minds Academy

Irvine, CA

- Boosted coding proficiency 70% via structured Python, Java lessons, and hands-on debugging practice
- Redesigned curriculum viewer with Next.js, Tailwind, and Shadcn UI, increasing usability by 60%
- Elevated student engagement by modernizing lesson platform UI, driving 80% positive feedback rate

PROJECTS

Elephant Hunt | *GitHub Repo* | *Python, Streamlit, Supabase, PostgreSQL, Grok API*

Aug 2025 – Sep 2025

- Partnered with one teammate to design a campus scavenger hunt game for 50+ ACM students
- Built Supabase backend validating scans, awarding points, and blocking random QR code submissions
- Integrated Grok-powered chatbot to deliver riddles and hints guiding players to correct locations
- Educated students on AI prompt injection security by designing riddles exposing LLM vulnerabilities

CSU Housing Attrition Predictor | *GitHub Repo* | *Python, scikit-learn, React, Next.js, SageMaker, S3*

July 2025

- Led model development in a team of 5 to predict SDSU housing attrition using a sigmoid neuron with 86% F1
- Deployed to Amazon SageMaker with S3-backed data pipeline and real-time inference from a React dashboard
- Engineered 22 features using pandas and sklearn for fast, interpretable predictions by housing staff

Gene Scope | *GitHub Repo* | *Python, Flask, Next.js, PostgreSQL, Docker*

May 2025 – Sep 2025

- Developed AI tool predicting variant pathogenicity with 90% accuracy using Evo2 LLM on Modal GPU
- Reduced variant analysis time by 80% via H100 GPU backend deployed with Python and FastAPI
- Built intuitive genome browser app in Next.js, enhancing user-driven genetic data exploration

PROFESSIONAL DEVELOPMENT

Cal Poly SLO CSU AI Summer Camp (Sponsored by AWS) | *Selected Participant (50 of 900)*

July 2025

- Selected from 900+ CSU students for a week-long AI program focused on real campus challenges
- Learned prompt engineering, embeddings, multi-modal AI, and full-stack deployment via AWS
- Collaborated with a 5-person team under AWS mentors to design and pitch AI-driven campus solutions
- Learned prompt engineering, embeddings, and full-stack AI from AWS mentors in guided workshops

CodePath TIP 102 - Technical Interview Prep | *Selected Participant*

June 2025 – Aug 2025

- Completed 10-week selective program, mastering algorithms and mock technical interviews
- Practiced LeetCode-style drills, pair programming, and problem-solving labs with peers

LEADERSHIP AND ACTIVITIES

Association for Computing Machinery (ACM) | *AI Officer & Dev Team Project Manager*

Aug 2024 – Present

- Mentored 10+ student teams building semester-long web, mobile, AI, and game projects for public showcases
- Ran weekly Dev Team workshops introducing tools like Next.js, Firebase, Git, and React Native
- Supported teams with frontend, backend, API, and AI troubleshooting through regular check-ins
- Led AI workshops covering topics like LLMs, TensorFlow, and prompt engineering for 100+ attendees
- Supported CSUF's largest CS org: 2,300 members, 50 officers, delivering beginner-to-advanced code-alongs