

Patrick King

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Portfolio: <https://patrickgking03.github.io/portfolio/>

EDUCATION

Loyola Marymount University (Los Angeles, CA)

Bachelor of Science in Computer Science, Minor in Business Administration

August 2021 - May 2025 (Expected)

- Relevant Coursework: Python Programming Laboratory, Calculus, Java Data Structures, Java Algorithms, HTML & JavaScript Web Application, Game Design, C Computer Systems, Computer Networks, Logic and Computer Design
- Activities and Societies: Association for Computing Machinery, Sigma Chi Fraternity, Huntsman Cancer Foundation
- Leadership Experience: President (Consul), Vice President (Pro Consul), and Recruitment Chairman at Sigma Chi Fraternity

SKILLS

Languages: Python, HTML, CSS, JavaScript, Java, TypeScript, SQL, C, Rust

Frameworks: React.js, Node.js, Flask, Django, Microsoft Azure, MongoDB, Google Firebase, Express.js

Tools: Git, GitHub, Microsoft 365, VS Code 2, Eclipse, Docker, Slack

Soft Skills: Leadership, Strategic Thinking, Analytics, Time Management, Public Speaking, Organizational Skills

PROFESSIONAL EXPERIENCE

Loyola Marymount University (Los Angeles, CA)

Computer Science Research Assistant

February 2024 - Present

- Engaging in research focused on predictive analytics and data-driven insights using machine learning methodologies
- Utilizing Python for data preprocessing, analysis, and model implementation, leveraging libraries such as pandas and scikit-learn
- Conducting experiments, analyzing results, and developing software solutions aimed at advancing predictive capabilities in the chosen research domain

RadicalX (Los Angeles, CA)

Software Engineer Intern

October 2023 - December 2023

- Advanced data processing automation using Python, leading to significant enhancements in model training processes.
- Collaborated on the design and implementation of scalable and high-performance Python-based AI models, optimizing algorithmic efficiency and system reliability.
- Actively engaged in the full software development lifecycle, from conceptualization to deployment, ensuring the creation of high-quality, scalable software solutions.

DivergeIT (Torrance, CA)

Software Developer Intern

June 2023 - August 2023

- Pioneered the development of an AI-driven chatbot utilizing Python and TypeScript, streamlining customer interactions and operational workflows.
- Implemented Agile methodologies to enhance the software development process, facilitating better team collaboration and more efficient project delivery.
- Crafted TypeScript code for intuitive front-end functionalities, significantly improving the user interface and experience.

PROJECTS

Interactive Web Portfolio | Front-End

January 2024

- Crafted an aesthetically pleasing and intuitive personal portfolio website, utilizing HTML5, CSS3, and JavaScript to ensure seamless user experience.
- Employed React.js for dynamic content rendering, enhancing interactivity and engagement.

Stock Predictor - Web Application | Full Stack

December 2023

- Engineered a robust predictive stock market model using Python and Flask, seamlessly integrating financial APIs for real-time data acquisition.
- Designed an intuitive user interface with React.js, facilitating easy navigation and insightful data visualization.

Artificial Intelligence Chatbot | Full Stack

June 2023

- Built AI chatbot with Python, TypeScript, and GPT-3.5 Turbo, integrated into a scalable Node.js backend, optimizing corporate communication channels through AI automation.