

# 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

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

## SKILLS

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

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

**Tools:** Git, GitHub, Microsoft 365, VS Code 2, Eclipse

## PROFESSIONAL EXPERIENCE

### Capital Catalyst (Los Angeles, CA)

Co-Founder and Chief Technology Officer

January 2024 - Present

- Led the development of the AI-driven financial management platform, utilizing Python and web technologies.
- Collaborated with the executive team in strategic decision-making and technology integration to drive growth.
- Engineered innovative, user-friendly, software to democratize financial expertise and enhance user management.

### Sigma Chi Fraternity (Los Angeles, CA)

President (Consul)

December 2023 - Present

- Led and managed the chapter, comprising over 90 members, ensuring adherence to fraternity values and rituals.
- Effectively managed chapter finances, including reducing a \$20,000 debt, and oversaw event planning and budgeting.
- Maintained strong relationships and ensured compliance with university, headquarters, and campus organizations.

### RadicalX (Los Angeles, CA)

Software Engineer Intern

October 2023 - December 2023

- Assisted in the design and development of advanced AI models to address complex business challenges.
- Conducted rigorous data analysis and preprocessing, ensuring the accuracy of machine learning datasets.
- Collaborated with cross-functional teams to implement and refine AI algorithms and front-end development.

### DivergeIT (Torrance, CA)

Software Engineer Intern

June 2023 - August 2023

- Developed and programmed various IT solutions, honing in on advanced problem-solving and strategic thinking.
- Designed and implemented an AI chatbot, resulting in enhanced user interaction and company flow.
- Amplified knowledge of Microsoft Azure, IT operations, servers, networks, security, and more.

## PROJECTS

### Interactive Web Portfolio | Front-End

January 2024

- Developed a dynamic personal portfolio website with HTML, CSS, JavaScript, and Bootstrap to showcase skills, education, experiences, projects, and contact information.
- Enhanced personal branding and hosted on GitHub Pages for easy access.

### Stock Predictor - Web Application | Full Stack

December 2023

- Created a web app for stock price prediction, using HTML, CSS, JavaScript, Python, Flask, and machine learning.
- Demonstrated financial data analysis, machine learning, and finance-related practical application.

### Artificial Intelligence Chatbot | Full Stack

June 2023

- Built an AI chatbot with Python, TypeScript, Node.js, and Azure OpenAI GPT-3.5 Turbo, integrated into Microsoft Teams for improved user interaction.
- Leveraged advanced AI for efficient communication and task automation, boosting productivity.

### myGainz - Web Application | Full Stack

December 2022

- Designed a gym website app with React.js, HTML, JavaScript, and Tailwind CSS.
- Integrated external APIs for exercise information and demonstrations, facilitating gym program creation and tracking.