

Kevin Kwon

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Education

Purdue University

Bachelor of Science in Computer Engineering

West Lafayette, IN

August 2023

- **Relevant Coursework:** Data Structures and Algorithms, Object-Oriented Programming, Advanced C Programming, Operating Systems Engineering, Probabilistic Methods, Intro to Computer Security
 - **Awards:** Elmore W. Rice III Engineering Scholarship, Wilbur T. Leath Band Scholarship
 - **Organizations:** Purdue Bands & Orchestras, Purdue Outing Club, Purdue Climbing Club
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Employment

Climbing Gym Staff

Climb Time Indy

Indianapolis, IN

November 2023—Present

- Performed routine cleaning and maintenance duties to keep a clean welcoming environment
- Handled customer service interactions including customer transactions, party reservations, and greeting guests

Supervisor and Belay Staff

Purdue University, Recreation and Wellness, Climbing & Challenge Education

West Lafayette, IN

June 2022—July 2023

- Coordinated with staff to lead patrons and staff to locker rooms for safety during a tornado warning
- Fostered an inclusive environment to ensure all patrons felt welcome at the climbing wall

Software Engineering Intern

SmartPass

New York, NY

March—May 2023

- Assembled front-end Cypress tests for Angular web app to smooth development process
- Collaborated with teammates to fix bugs discovered via customer feedback

Teaching Assistant

Purdue University, Department of Electrical and Computer Engineering

West Lafayette, IN

August 2020—May 2021

- Communicated Python and data science concepts by walking through problems side-by-side with students
 - Referenced Python documentation to better understand issues encountered in office hours
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Projects

kevinswebsite.net, Creator

September 2023—Present

- Developed personal website with React, Next.js, and TailwindCSS to showcase resume and projects

Music and AI, Senior Participation in Vertically Integrated Projects

June—August 2023

- Proposed and began implementing new project structure to reduce existing technical debt
- Composed data pipelines with pandas and numpy for proper data handling

Knot ID, Creator

December 2022—January 2023

- Created a PyTorch-based neural network image classifier for quick identification of common rope knots
- Achieved 91% accuracy in classifying knots with model trained on very small set of training data (1,152 images)

Smart Feeder, Digital Systems Senior Design

August—December 2022

- Collaborated with team lead to design and write C code with freeRTOS for the ESP32 microcontroller
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Skills

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

Frameworks and Libraries: React, Angular, Node.js, Next.js, TailwindCSS, PyTorch, Hugging Face, freeRTOS

Tools: Git, Bash, Docker, Kubernetes, Google Cloud Platform, GitHub Actions, Vercel