

Kevin Zheng

kevinzheng.co | 484-954-8724 | zhenghaoyang141@gmail.com | [linkedin.com/in/kevin-zheng-h7](https://www.linkedin.com/in/kevin-zheng-h7) | github.com/kevinzheng117

EDUCATION

Carnegie Mellon University

B.S. in Information Systems, Additional Major in Computer Science

Pittsburgh, PA

Aug. 2023 – May 2027

- Dean's List High Honors | GPA: 3.8/4.0
- Relevant Coursework: Principles of Imperative Computation (C), Database Design & Development (PostgreSQL, MongoDB), Principles of Functional Programming (SML), Application Design and Development (Ruby, React), Introduction to Machine Learning (NumPy, PyTorch), Introduction to Computer Systems (C, Assembly)
- Extracurriculars: Tech4Society, Phi Delta Theta, Asian Students Association, Taiwanese Students Association

EXPERIENCE

Incoming Software Engineering Intern

Projected: Jun. 2025 – Aug. 2025

Capital One

Dallas, TX

- Onboarding in June 2025 to contribute to an Agile pod building a real-time auto-loan feedback pipeline
- Preparing to leverage cloud services and data pipelines to accelerate dealer document validation

Undergraduate Research Assistant

Sep. 2024 – May. 2025

LearnLab at Carnegie Mellon University

Pittsburgh, PA

- Developed the Next.js and React front-end for [GPTutor-Math](#), an AI-powered tutoring platform for multiple CMU math courses, providing homework guidance to 500+ students
- Integrated ChatGPT to facilitate personalized learning, significantly enhancing student engagement and feedback
- Collaborated with a multidisciplinary team to deploy scalable AI solutions, utilizing Git for version control and Agile methodologies to ensure timely project delivery

Undergraduate Teaching Assistant

Jan. 2024 – Dec. 2024

Carnegie Mellon University | 15-112 Fundamentals of Programming and Computer Science

Pittsburgh, PA

- Led weekly recitations for 20+ undergraduate students, utilizing real-world coding problems to explain Python concepts such as object-oriented programming, recursion, and algorithmic efficiency
- Conducted 3+ weekly office hours and small group sessions to provide personalized guidance to students
- Evaluated assignments and exams weekly, using detailed rubrics and delivering constructive feedback

Software Engineering Intern

Jun. 2024 – Jul. 2024

Qifu Technology Inc

Shenzhen, China

- Integrated MongoDB into the company's internal big data management and analytics platform, enhancing data accessibility and reducing query complexity for users by 40%
- Developed and implemented a whitelist mechanism and toggle feature to securely manage user access to the MongoDB engine for testing purposes, leveraging Apollo for tracking all configuration variables
- Collaborated using Jira, GitLab, and Docker; conducted code reviews and participated in sprints to achieve platform updates

PROJECTS

[TalkTalk](#) | *Next.js, React, TypeScript, Tailwind CSS, Postgres, Azure*

Feb. 2025

- Engineered AI-driven short-form video platform for micro-lessons and interactive practice
- Leveraged Azure Speech Services for pronunciation analysis and scoring
- Orchestrated Next.js/React front-end architecture with TypeScript and Tailwind CSS

[PathToSWE](#) | *Next.js, React, TypeScript, Tailwind CSS, Postgres, AWS*

Jun. 2024 – Jan. 2025

- Built a full-stack platform serving 200+ users to find, apply, and track tech internships
- Designed RESTful APIs with JWT & Google OAuth for secure CRUD and optimistic UI updates
- Automated data ingestion via AWS Lambda, SQS, EventBridge into Amazon RDS using BeautifulSoup4

Time Locker: 112 Edition | *Python*

Nov. 2023 – Dec. 2023

- Developed a top-down shooter game with a unique time-warping mechanic using Python and CMU graphics
- Implemented irregular-polygon collision detection with vector mathematics and random enemy generation

TECHNICAL SKILLS

Languages: Python, C, HTML/CSS, JavaScript, TypeScript, SQL (Postgres, MySQL, MongoDB), SML, Ruby

Tools & Frameworks: Next.js, React.js, Flask, Node.js, React Native, Expo, TailwindCSS, Prisma, Auth.js, Bootstrap, jQuery, pandas, Ruby on Rails, NumPy, PyTorch, Git, Jira, Docker, VS Code, \LaTeX , AWS, Vercel, Supabase, REST APIs, pgAdmin, Figma