Jason Zheng

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EDUCATION

Cornell University, College of Arts & Sciences   Ithaca, NY | **Expected May 2025**
Bachelor of Arts in Computer Science, GPA: 3.982

Relevant Courses: Introduction to Analysis of Algorithms, Data Structures and Functional Programming, Computer System Organization and Programming, Statistics and Probability, Discrete Structures, Linear Algebra

EXPERIENCE

Duck Creek Technologies - Software Engineering Intern   Remote | **May 2023 - Aug 2023**
- Designed and implemented backend API endpoints to handle business logic for a SaaS insurance claims management solution using C#, ASP.NET, and Azure SQL
- Led an initiative to consolidate the company's document management systems into a unified SharePoint site and presented the proposal to a panel and 170 employees

Bayer - Software Developer Intern   Creve Coeur, MO | **May 2022 - Aug 2022**
- Spearheaded several UI/UX enhancements in a customer-facing web app, redesigned app components in Figma to utilize responsive design principles, and implemented product features with React.js, Node.js, and MUI
- Collaborated with team members to revise the structure of data transfer objects and refactor the frontend codebase

EXTRACURRICULARS

Hack4Impact Cornell - Product Manager/Technical Lead   Ithaca, NY | **Jan 2023 - Present**
- Leading a team of 6 developers and 3 designers to create a volunteer management platform for a non-profit food bank using Next.js, Tailwind, Prisma, PostgreSQL, Firebase, and AWS
- Facilitated development and design efforts by organizing and adjusting sprint timelines, writing dev and design tickets for weekly sprints, leading code and design reviews, and collaborating with devs to write and debug code
- Managed the team's technical documentation by writing comprehensive API documentation, onboarding guides for new developers, and a product requirements document for the non-profit partner
- Organized biweekly partner calls to share product updates and incorporate partner feedback into the product

Cornell Data Science - Data Science Team Member   Ithaca, NY | **Feb 2022 - Present**
- Leveraged AWS Lambda functions and Python/Flask API endpoints to integrate a React frontend with an ML model, allowing users to search for LaTeX expressions in PDFs on a web interface
- Implemented web scraping and tokenization for an ML model that classifies Reddit posts using logistic regression

Hack4Impact Cornell - Software Developer   Ithaca, NY | **Feb 2022 - Dec 2022**
- Developed UI components and API endpoints to retrieve, display, edit, and download data from Google Docs/Sheets for a web app to facilitate the distribution of environmental law templates; used React.js, Node.js, and Express.js

BDPA St. Louis Chapter - Student Developer   Creve Coeur, MO | **Mar 2017 - Aug 2021**
- Competed annually in a 5-day national coding competition winning 1st place three times in total
- Led teams of 4-6 people to build a total of 6 web apps using LAMP and MERN stacks

PROJECTS

Quantum Chess - Probabilistic chess game   **May 2023**
- Collaborated with a team of 4 to develop a terminal-based chess game in OCaml loosely based on quantum mechanics principles, including superposition and wave function collapse for chess pieces

Canari - Cornell course enrollment notifier   **Aug 2022**
- Created an app to track course enrollments and notify students about spot openings using GTK4 and Python

SKILLS

Languages: Python, Java, JavaScript, TypeScript, OCaml, C, C++, C#, SQL, PHP, CSS, HTML, RISC-V Assembly
Frameworks: Next.js, React.js, Node.js, Express.js, Prisma, Tailwind, MUI, Bootstrap, GTK4, ASP.NET, Flask
Linux/Unix: Ubuntu, Fedora, bash scripting
Design: Figma