

# Becky Chen

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## EDUCATION

### Rensselaer Polytechnic Institute

Troy, NY

Dual Major in Computer Science & Information Technology and Web Science

Expected Graduation: December 2024

Minor in Graphic Design

Cumulative GPA: 3.85

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## TECHNICAL SKILLS

- *Certifications:* Microsoft AI Fundamentals (AI-900), Microsoft Azure Fundamentals (AZ-900)
  - *Software Development:* C, C++, Python, Java
  - *Web Development:* JavaScript/TypeScript, JQuery, AJAX, React Native, Flutter/Dart, HTML/CSS, SQL, PHP
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## PROFESSIONAL EXPERIENCE

### Coding Minds Academy

Irvine, CA

Coding Instructor

March 2023-Present

- Delivered 50+ Python, Java, Roblox Studio, Scratch, and fundamental software development lessons to students of varying proficiency levels through a one-on-one teaching format to ensure personalized guidance
- Contributed to a cohesive and standardized learning experience by collaborating with fellow instructors to design effective teaching strategies

### NYC Mayor's Office of Contract Services

New York City, NY

Development Intern

July 2022-August 2022

- Developed and taught 100+ government staff members 'Introduction to Plain Language' to improve the public's comprehension of information on government websites by ensuring compliance to web accessibility standards
  - Improved UI/UX and navigation of NYC.gov and the agency-specific website, BuyWise, by using user feedback and analytics to identify areas for enhancement
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## PROJECTS

### PosterBoy (Rensselaer Center for Open Source)

Troy, NY

Front End Developer

May 2023-August 2023

A social media site where users can post their ideas on a community board and delete their peers' sticky notes.

- Developed and styled 20+ dynamic UI components using Javascript libraries such as Chakra UI and framer-motion
- Improve web-accessibility compliance by 50% by employing accessibility optimization techniques
- Led the front-end team by weekly delegating tasks and troubleshooted Javascript and styling issues

### Cosmic Comets (NASA Wildfire Data Visualizer)

Troy, NY

Full Stack Developer

January 2023-May 2023

Web app employing NASA's datasets to visualize the effect of wildfires/wind on solar energy production in California

- Developed and styled 30+ interactive data visualizations using JavaScript libraries such as D3 and Leaflet
- Implemented RESTful APIs to handle data storage of 300,000+ documents to create a robust server-side application
- Prototyped site map on Figma and conducted A/B testing to ensure accessible and valuable user experience

### Time Design

Troy, NY

Full Stack Developer

September 2022-December 2022

Scheduling website, created for the stressed and overloaded Rensselaer student in mind, to estimate a student's workload

- Optimized performance achieving a perfect 100 score in Google Lighthouse's performance check
  - Integrated third-party APIs for services such as authentication to expand application functionality
  - Utilized Git for version control to ensure codebase consistency and efficient collaboration
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## ACTIVITIES

**Accomplishments:** HackViolet 2022 Best Hack to Support Women, Dean's Honor Roll

**Extracurriculars:** Upsilon Pi Epsilon Honor Society, Science Ambassador, Society of Asian Scientist and Engineers

**Languages:** Fluent in English; Conversational in Mandarin and Cantonese