Chi Che Colin Wu

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Education

Purdue University - West Lafayette, IN, USA   May 2026
- Bachelor of Science in Computer Science, Minor in Mathematics, Minor in Global Engineering Studies with the Global Engineering Alliance for Research and Education (GEARE).
- Relevant Coursework: Systems Programming, Data Structures and Algorithms, Computer Architecture, Programming in C, Discrete Math, Linear Algebra, Ordinary Differential Equations
- GPA: 3.27 / 4.0

Key Skills

- **Programming Languages:** Java, C, C++, Python, JavaScript, PHP, TypeScript
- **Other:** HTML, CSS, React.js, React Native, Django, SQL, Actix Web
- **Technologies:** Git, Bash, Linux, Docker, MySQL, MongoDB, Figma
- **Languages:** Chinese

Leadership

- **ACM SigApp** | Frontend Team Leader   October 2023 - Present
  - Led the front-end development team for Mixtape, a music-sharing cross-platform app (iOS, Android, and Web) allowing users to collaboratively create and share playlists.
  - Coordinated with a team of 20+ members, distributing tasks based on the Figma design for individual components and pages.

- **Purdue Ascend Business Club** | External Committee Officer   October 2023 - Present
  - Organized networking efforts to connect club members with professionals in the industry, planned collaborations with companies in hosting club events, and provided valuable resources for club members' professional growth.

Projects

- **Purdue University** | Artikulate   January 2024 - Present
  - Developed Artikulate, a video-editing and content-generation website that transforms text into engaging videos for platforms like TikTok, Instagram Reels, and YouTube Shorts. Users can utilize generative AI for story creation or web scrape real articles, resulting in fully edited videos with text-to-speech audio and captions.
  - Utilized Django for frontend and routing APIs, Selenium and Beautiful Soup for web scraping, and OpenAI's APIs for both generating stories and text-to-speech narration.
  - Automated the process of encoding and exporting interactive videos with captions and narration using Moviepy and FFmpeg.

- **Purdue University** | Ascend Purdue Website   October 2023 - Present
  - Designed and developed the official website for Ascend Purdue Business Club, having a fully responsive and mobile-friendly interface used by over 100 members of the club.
  - Utilized React and TypeScript for development, and TailwindCSS for styling, and deployed the website to a custom domain, AscendPurdue.com, with Vercel for seamless hosting and accessibility.
  - Demonstrated leadership by overseeing and guiding a team of 3 throughout the website development process, ensuring alignment with the club's core values and member requirements.

- **Purdue University** | Mixtape   August 2023 - Present
  - Developed Mixtape, ACM SigApp's (Special Interest Group for Application Development) official project for 2023-2024, written in React Native and Rust (Actix Web).
  - Contributed to frontend development in React Native, implementing multiple pages and components.
  - Collaborated closely with the backend team to plan endpoints and implemented technologies such as MongoDB for the database and Docker for testing and deploying. Ensured seamless integration with the user-friendly front-end interface in React Native.