

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)
- GPA: 3.27 / 4.0

Key Skills

- **Programming Languages:** Java, C, C++, Python, JavaScript, PHP, x86 Assembly
- **Database:** MySQL, MongoDB
- **Technology:** Git, Bash, Linux, Docker
- **Languages:** Bilingual Proficiency in Chinese
- **Front-end:** HTML, CSS, React.js, React Native, TypeScript
- **Back-end:** Django (Python), Actix Web (Rust)

Leadership and Projects

- **Purdue University | Artikulate** Jan 2024 - Present
 - Developed Artikulate, a video-editing and content-generation website that transforms text into engaging videos for platforms like TikTok. 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 BeautifulSoup 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 | ACM SigAPP - Mixtape** September 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. It is ACM SigApp's (Special Interest Group for Application Development) official project for 2023-2024, written in React Native and Rust (Actix Web).
 - Coordinated with a team of 20+ members, distributing tasks based on the Figma design for individual components and pages.
 - Collaborated closely with the backend team to plan endpoints and implemented technologies such as MongoDB for the database and Docker for testing and deploying. This ensured seamless integration with the user-friendly front-end interface in React Native.