

EDUCATION

University of California, San Diego, La Jolla, CA
B.S., Computer Science

WORK EXPERIENCE

Table Tennis Coach | *Freelance*

Jan 2024 – Present

- Coached eight students in reaching an average 1300 USATT rating within a year to help Adventist Union School secure 3rd place for three consecutive seasons in the LA Ping Pong league.
- Produced 10 personalized YouTube videos of match commentary and reviews to help students improve their technique and identify strategic errors.
- Coordinate with other table tennis clubs and LA County schools in hosting, organizing, and regulating matches during game season to guarantee team attendance and participation.

Principal Engineer & Designer | *blancDesk*

Apr 2024 – Mar 2025

- Constructed the official website, using NextJS, TypeScript, and CSS, while handling deployment through Cloudflare, reducing the estimated minimum startup cost by \$10,000.
- Designed the blancDesk brand by creating more than 20 logos and brand assets, before integrating them with the business website to maintain a consistent visual identity.
- Conducted meetings alongside a team of 5 engineers and designers to explore client needs, provide project transparency, and ensure efficient cooperation among all parties for 6 projects.

Web Developer | *Angeles College*

Apr 2023 – Dec 2023

- Represented the school in marketing meetings with digital-focused companies such as Vital Design, Carnegie, Elliance, HEM5, and Intelisystems to discuss website improvements and new feature implementations.
- Built a new school website using WordPress, HTML, CSS, JavaScript, and PHP, achieving a GTmetrix score of 99% and decreasing the site load time by 90% below the previous.
- Employed fundamental UI/UX practices to manage a project focused on improving website responsiveness, usability, and accessibility to achieve full WCAG and ADA compliance.

Web Development Intern | *First Track Entertainment LLC*

Jun 2021 – Aug 2021

- Collaborated with a software engineer to update 2 clientele websites using HTML, CSS, and JavaScript, and content management systems such as Wix and WordPress.
- Delivered presentations to music industry clients to showcase and discuss accessibility and functionality optimizations for two websites
- Crafted 10 brand assets for client and company websites, utilizing Adobe Illustrator and to aid in the design process.

PROJECTS

TT Umpire | React Native, TypeScript

Oct 2025 - Present

- Developed a table tennis scorekeeping application for Android OS and iOS in 2 weeks, implementing official game rules of the International Table Tennis Federation such as serve switching and tie-breaker logic.
- Run closed user testing to optimize code and perform bug fixes, while planning over 5 future app updates to allow players focus on playing their matches rather than regulating them.

BERT Model Experiment | Python

Nov 2022

- Partnered with a team of 2 other individuals to conduct experiments and analyze training results, leading to a detailed report on the differences between the baseline and fine-tuned deep learning models.
- Fine-tuned a BERT model using Stochastic Weight Averaging and warm-up steps resulting in an accuracy increase of 83% and loss decrease of 165.

SKILLS

Programming Languages: HTML, CSS, JavaScript, TypeScript, Java, C, SQL, PHP, ARM Assembly

Tools/Frameworks/Libraries: Next.js, React.js, Node.js, React Native, Adobe Illustrator, Figma, Git

Languages: English – Native, Cantonese – Limited Working Proficiency