

Berwyn Zhu

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Education

University of New South Wales (UNSW)

2021–2025

Bachelor of Science (Computer Science)

WAM: 72.125

North Sydney Boys High School

2015–2020

ATAR: 93.15

Technical Skills

Languages: JavaScript, TypeScript, C, C++, Java, Python, PHP, SQL, HTML, CSS, SCSS

Frameworks/Libraries: React, React Native, Node.js, AWS (Cognito, S3, DynamoDB)

Tools: Git, Bitbucket Terraform, WordPress, FileZilla, Canva, Vercel, Figma

Professional Experience

1000Heads - Social Transformation & Brand Promotion Company

Tech Intern Junior Developer

January 2025 - June 2025

- Created interactive video and audio web applications for ISUZU product demonstrations, including an auto-playing video wall and a real-time sound comparison interface
- Built and synchronized ESP32 WLED controllers with Wi-Fi connectivity, showcased at the ISUZU Brisbane Truck Show. Designed custom LED patterns and a browser-based HTML interface for real-time control
- Implemented modular, reusable components in PHP, JavaScript, and SCSS for a large-scale multi-page website. Integrated these components into WordPress Gutenberg blocks using Advanced Custom Fields and Custom Post Types for flexible, drag-and-drop page construction
- Designed and coded responsive, cross-platform HTML emails distributed as monthly newsletters to promote brand campaigns

Extracurricular Experience

Data Science Society (UNSW)

Marketing Subcommittee Member

March 2024 - November 2024

- Promoted internal and external society events through Canva-designed graphics, social media posts (Facebook, Instagram), and short-form video content (TikToks)
- Participated in a collaborative decision-making process to ideate, vote and execute promotional strategies for data science events and initiatives

JoeySteam

Coding and Robotics Tutor

January 2021 - November 2023

- Taught Wedo, Scratch, and MBlock to foster foundational coding principles and computational thinking for students (K–3)

Prime Tuition, Private Tutoring & Selective Coaching Centre

HSC, Selective & OC Tutor

Jan 2017 - Now

- Conducted in-person and remote tutoring for Math and English (Years 3–12)
- Created educational video tutorials during COVID-19 to support remote learners

Projects

Personal Portfolio Website — berwynzhu.vercel.app

- Developed a responsive personal portfolio website using React showcasing personal projects and skills
- Deployed and hosted the application on Vercel for optimal performance and accessibility

Tutoring Website - Prime Tuition — primetuition.org

- Collaborated on a multi-page tutoring platform featuring contact forms, service descriptions, and testimonials
- Handled AWS-based deployment and implemented basic SEO practices to improve discoverability

Platform for Melody Mentoring

- Developed a full-stack platform for music learners, featuring audio/video recording and AI-based feedback
- Integrated AWS services (Cognito, S3, DynamoDB) and used Terraform for scalable infrastructure management
- Built React Native front-end and implemented real-time file uploads and user authentication

Java-Based Game

- Programmed a 2D game using Java Swing (JPanel), with user interaction and collision mechanics
- Designed original pixel sprites and animations to improve engagement and visual appeal