

Zahir Hassan

+61 456 606 359 | zahirhassan2004@gmail.com | github.com/WalrusPSD | linkedin.com/in/zahirhassan-cs

Education

Monash University

Bachelor's in Computer Science

Clayton, VIC

Expected Graduation, November 2025

- **Concentration:** Advanced Computer Science, minor in Philosophy

Work Experience

Trackday (B2B SaaS Startup) | Product Design (UX/UI) Intern | Melbourne, VIC

Jan 2025 - Present

- Conducted user research with car club executives, systematically transforming data into personas, user stories, and feature requirements for platform improvement.
- Redesigned core interfaces in Figma through user testing and feedback, working with developers to **ship** improved login, newsfeed, and search functionality that **enhanced** user experience across multiple sprints.
- Delivered weekly UX presentations to leadership, using data visualisations to align stakeholders and development teams on feature priorities that **accelerated** funding opportunities.

Purple Patch Consulting | Product Design (UX/UI) Intern | Sydney, NSW

Oct 2024 - Dec 2024

- Managed client requirements gathering for website development projects, translating business needs into technical specifications and Figma prototypes that informed the development roadmap.
- Implemented communication **infrastructure** by creating a dedicated server to publish project updates and track task delegation, ensuring all team members stayed informed of project developments and deadlines.
- Supported **cross-functional** development team by coordinating design and development efforts, occasionally **delegating** tasks as needed while maintaining regular client communication to ensure project alignment with expectations.

Projects

Weave | Next.js, React.js, Tailwind, Go, MongoDB, AWS, Python, Docker, Git | [Github](#) | [Demo](#)

- Implemented interactive drag-and-drop functionality for the Live Look feature, allowing users to position and resize clothing items on their uploaded photos with **integration** to AWS S3 storage and Lambda-processed background removal.
- Refined the Look Book component system to correctly display selected outfits with proper navigation between views, enhancing user experience with image carousels and galleries.
- Made critical frontend UI/UX improvements across the application including responsive layouts, touch interactions, and visual feedback elements optimised for mobile devices.

Functional Guitar Hero | TypeScript, RxJS, Tone.js, Vite, Node.js, HTML, CSS, Vercel, Git | [Github](#) | [Demo](#)

- Developed a web-based rhythm game using TypeScript and RxJS, implementing **reactive programming** patterns with observable streams for game state management and event handling
- Created dynamic SVG-based UI with animated note tracks, scoring system, and visual feedback elements for player interaction
- Built a comprehensive audio system using Tone.js for synchronised instrument sampling across multiple tracks with features like tail notes, score multipliers, and difficulty levels

Portfolio Website | HTML, CSS, Bootstrap, JavaScript, Git | [Github](#) | [Demo](#)

- Designed and developed a fully responsive portfolio website with Bootstrap framework, featuring custom styling, smooth transitions, and a clean interface that effectively showcases projects and professional experience

Case Studies

PlatyPal | Commonwealth Bank | (View Case Study)

- Led UX design for **PlatyPal**, an AI banking assistant that breaks down accessibility barriers through a tri-phasic model, empowering users with control over automation levels while enhancing financial inclusion.
- Conducted comprehensive user research by interviewing over **32** participants, synthesising insights into personas, empathy maps, and storyboards that guided our design sprint process, followed by rigorous prototype testing to refine the multilingual interface featuring voice commands and adjustable accessibility features.
- Presented findings and prototype to **software engineers** and a **senior engineering manager** at Commonwealth Bank, balancing user needs for accessibility with stakeholder requirements for technical feasibility, security, and business integration.
- Resulted in a prototype that successfully addressed both customer pain points and organisational objectives for **increasing net promoter score**.

Job Board | Monash Association of Coding | (View Case Study)

- Created the entire UI/UX design for jobs.monashcoding.com, a specialised job board for Australian IT students that attracted over **2,200** active users and **10,000** page visits within its first week of launch.
- Designed a comprehensive visual system with Shadcn UI components and Tailwind styling specifications, focusing on accessibility, information hierarchy, and responsive layouts that contributed to an exceptional **lighthouse performance score of 96** when implemented by the development team.
- Applied user research findings to create intuitive wireframes, user flows, and interactive prototypes that guided developers in building AI-powered job filtering and recommendation features through Microsoft Azure, resulting in a platform that effectively serves student job-seeking needs.

Extracurricular Experience

Monash Association of Coding | Design Officer | Melbourne, VIC

October 2024 - Present

- Designed and delivered complete UI/UX solutions for digital platforms, created branded physical products, and developed promotional graphics for hackathons and other technical events, maintaining consistent brand identity.

Google Developer Groups | Design Officer | Melbourne, VIC

April 2024 - Present

- Produced engaging visual content promoting Google Cloud, Android, and Gemini AI technologies across digital platforms, while maintaining brand consistency with Google's design system for industry partnership events.

Monash diversIT | Marketing Lead | Melbourne, VIC

March 2024 - Feb 2025

- Managed a team of officers and led initiatives for underrepresented groups in technology resulting in **60%** overall increase in workshop participation.

Awards

- **Atlassian X UNIHACK 2025:** Winner (3rd) out of 135 projects and 750 total participants. March 24th, 2025
- **Monash Innovation Guarantee:** Award for Excellence in Human-Centered Design. January 22nd, 2025
- **Monash Academic Commendation:** Highest Grade in FIT1049 (IT Professional Practice). September 4th, 2024
- **MAC Product Designathon:** Winner (2nd) out of 13 projects and 34 total participants. March 24th, 2024
- **Monash International Study Grant:** Valued at \$10,000 AUD. June 21st, 2022

Skills

Technical Skills: Next.js, React.js, TypeScript, JavaScript, Java, Python, Tailwind, HTML, CSS, MongoDB, SQL, AWS, Docker, Git

Design Skills: Figma, Canva, Adobe Suite, Affinity Suite