YUHUAN LUO

Melbourne, VIC
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Junior Frontend Developer with hands-on experience in React, TypeScript, and modern CSS frameworks. Passionate about building responsive, user-friendly web applications and eager to learn new technologies in a collaborative environment.

EDUCATION

Master of Information Technology   **GPA: 3.5 (Distinction)**

Monash University, Clayton, VIC   *Graduation: November 2025*

Relevant Coursework: Algorithms & Programming Foundations in Python, Internet Applications Development, Software Engineering, Cloud Computing & Security, Mobile & Distributed Computing Systems

WORK EXPERIENCE

Teaching Associate (TA)   **Monash University**

FIT5137 Advanced Database Technology   *Jul 2025 - Present*

- Facilitated postgraduate lab sessions by guiding practical exercises in database technologies (Star Schema, PostGIS, SQL queries) using tools such as DBeaver, SQL*Plus, and PostgreSQL.
- Provided academic support, graded assignments, and offered feedback to enhance student learning outcomes.

PROJECTS

BIRDTAG – AI-POWERED BIRD IDENTIFICATION WEB APP   **Monash University**

LED AWS INFRASTRUCTURE DESIGN AND DEPLOYMENT   *Mar 2025 - Jun 2025*

- Led development of a serverless platform to upload and classify bird species using image recognition.
- Integrated AWS services including Cognito (access management), S3 (image storage), Lambda (image processing), DynamoDB (tag storage), and SNS (notifications).
- Connected AI model for bird classification through serverless architecture; generated prediction thumbnails and metadata.

VOLUNTRACK – VOLUNTEER MANAGEMENT ANDROID APP   **Monash University**

FULL-STACK DEVELOPER   *Sep 2024 – Nov 2024*

- Spearheaded the development of a full-featured mobile app using Jetpack Compose for managing volunteer events, schedules, and organization info.
- Built real-time dashboard with Firebase Firestore to track progress and user engagement.
- Integrated Google Calendar API for event synchronization and reminder notifications.

SKILLS

- Frontend: React, Vue.js, Next.js, TypeScript, JavaScript, HTML5, CSS3, Tailwind CSS, Bootstrap
- Backend & Databases: Node.js, Python, Java, Oracle DB, PostgreSQL, MongoDB
- Cloud & DevOps: Deployed applications using AWS, Docker, Kubernetes, Firebase, Neon and Vercel
- Data Analysis: Used Python and Jupyter for data cleaning and visualization; explored dashboards with Looker Studio