

Melody Yuen

Junior Software Developer | 07774-195-561 | melody.yuen@icloud.com | Surrey | [GitHub](#) | [LinkedIn](#) | [Portfolio](#)

PERSONAL STATEMENT

Motivated software developer with two years' experience in hybrid mobile apps and recent full-stack web development skills. Proficient in JavaScript, TypeScript, React, and React Native, with a proven ability to collaborate on reliable solutions. Strong problem-solver committed to continuous learning.

TECHNICAL SKILLS

- Programming Languages: JavaScript (Node.js, browsers), TypeScript, Python (basic)
- Front-end: HTML, CSS, React, React Native, Tailwind CSS, Material-UI, Angular
- Back-end: Node.js, Express.js, RESTful APIs
- Databases: PostgreSQL, Firebase Firestore (NoSQL database)
- Mobile Development: React Native (Expo), Ionic Framework, Apache Cordova
- Testing: TDD (Test Driven Development), Unit & Integration Testing (Jest, Supertest)
- Practices: Software Development Lifecycle (SDL), Agile, Scrum
- Tools: Git, GitHub, GitHub Actions, Supabase, Render, Netlify, Vite

PROJECTS

Work-XP Mobile Application — [Group Project](#) March 2025

- Built a React Native (Expo) app with TypeScript in a group of 6 to connect students with short-term work opportunities and businesses with hiring needs
- Developed key features, including Firebase Authentication for secure login and Firestore for data storage and real-time chat
- Integrated Cloudinary for avatar image uploads and React Native Paper for UI components
- Collaborated via Git for version control, following Agile practices to meet project milestones

News and Discussion Web Platform — [Frontend](#) | [Backend](#) February 2025

- Full-stack application for community content sharing and discussion

Backend API (Node.js, Express.js, PostgreSQL)

- Developed a RESTful API to handle news articles, users, comments, and votes
- Implemented complex SQL queries and database management using PostgreSQL
- Applied TDD with Jest and Supertest to ensure code quality
- Integrated GitHub Actions for continuous integration and continuous deployment (CI/CD)
- Hosted the database on Supabase and deployed the backend using Render

Frontend Application (React, Tailwind CSS)

- Developed responsive UI components with React and styled with Tailwind CSS
- Implemented client-side routing with React Router for seamless navigation
- Built interactive features including pagination, topic filtering and voting system
- Built reusable components for article, topic and comment
- Optimized API calls with Axios including error handling and loading states
- Deployed frontend application on Netlify with continuous integration

PROFESSIONAL DEVELOPMENT

Software Development in JavaScript - Skills Bootcamp — Northcoders

December 2024 - March 2025

Intensive training in JavaScript, Node.js and React full-stack development.

- Built multiple full-stack applications with TDD and Agile methodologies
- Gained hands-on experience creating responsive and functional web applications
- Enhanced collaborative strategies through paired programming and team-based project

EXPERIENCE

AI Trainer (Independent Contractor) — *Outlier*

September 2024 - Present

- Simulated user interactions with large language models (LLMs) to enhance response accuracy using Reinforcement Learning from Human Feedback (RLHF) techniques
- Refined AI-generated responses by coding evaluation scripts and modifying outputs, leveraging software development expertise to optimize LLM performance

Career Gap

2021 - 2024

After relocating from Hong Kong to the United Kingdom, I took time to adjust to my new environment and evaluate my career. To bridge my experience gap and align my skills with current industry standards, I engaged in self-learning and completed an intensive bootcamp, strengthening my full-stack expertise and team collaboration skills. I'm now eager to apply these skills to impactful software development projects.

Software Developer — *Gleneagles Hospital Hong Kong*

May 2019 - July 2021

- Designed and developed new features for hybrid mobile applications using Ionic 3 (Angular) with Typescript, HTML and CSS, improving internal processes for staff and porters
- Integrated Python RESTful APIs, making modifications to backend logic as needed
- Collaborated with team members to develop IT system monitoring alert system using C#
- Performed Unit Testing, System Integration Test, and participated in User Acceptance Test
- Provided ongoing system support, analysing system change requests and escalating support when necessary

EDUCATION

Bachelor of Social Sciences — *The University of Hong Kong*

September 2013 - June 2018

- Graduated with a 2:1
- Major in Psychology and Second Major in Computer Science
- Scholarship: Rosita King Ho Scholarship, Centenary Scholarship Fund

Hong Kong Diploma of Secondary Education — *True Light Middle School of Hong Kong*

September 2007 - June 2013

- **Economics, Information and Communication Technology (with Programming elective):** 5* (equivalent to A-level A/A*)
- **English Language, Liberal Studies:** 5 (equivalent to A-level A)
- **Mathematics (Compulsory Part):** 5 (equivalent to A-Level D)
- **Chinese Language:** 4 (equivalent to A-Level B)

LANGUAGES

- English, Chinese (Cantonese and Mandarin)

HOBBIES AND INTERESTS

- Drawing: Enjoy creating pencil sketch doodles and watercolor illustrations.
- Photography: Focus on portraits and travel photography with mirrorless cameras. I've self-published multiple photo books and collaboratively funded bus stop advertisements, all designed and edited using self-taught Photoshop editing skills.