

SHUN-HSIN (Allison) HOU

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EDUCATION

NATIONAL CENTRAL UNIVERSITY

Taoyuan, Taiwan

B.S. in Management Information Systems

Expected Graduation: June, 2026

Relevant Coursework: Computer Science, Operations Research, Algorithms, Advanced Java Programming, Artificial Intelligence Ethics, Data Communications, Data and File Structures, Web Programming, Database Management, Systems Analysis and Design, Software User Interaction

UNIVERSITY OF CALIFORNIA, IRVINE

Irvine, California

Student Exchange – Academic Study Abroad Program

Expected: Jan, 2026 – June, 2026

Coursework Focus: Primary focus on Informatics, with psychology coursework applied to user-centered software and product design

SKILLS

- Programming Languages: **Java, Python, Dart (Flutter), JavaScript, HTML, CSS**
- Frameworks & Technologies: **Flutter, RESTful APIs, Spring Boot, Firebase**
- App & Web Development: **Cross-platform Mobile App Development, Responsive UI Design, API integration**
- Databases & Tools: **GitHub, Git, MySQL**
- Languages: Bilingual in English and Mandarin Chinese

PROJECTS

CAREGO – AI-POWERED SENIOR TRAVEL ASSISTANT

Feb, 2025 – Dec, 2025

Team Lead & Lead App Developer | Flutter, Firebase, OpenAI API, Google Maps API, OpenWeather API

- Led a cross-functional capstone team as primary technical owner, driving end-to-end development and system integration of a cross-platform mobile app for health-aware senior travel
- Designed and implemented core app architecture, major features, and user interaction flows using Flutter
- Coordinated and integrated Firebase backend services, aligning frontend flows with authentication and user data management
- Led system-level integration of AI-driven itinerary generation via OpenAI API and real-time location-based services via Google Maps API
- Directed task planning, progress tracking, and technical decision-making to deliver a competition-ready product

SYSTEMS ANALYSIS AND DESIGN – TICKET BOOKING SYSTEM

Oct, 2024 – Dec, 2024

Full Stack Developer | Java, Spring Boot, MySQL, REST API

- Developed a full-stack ticket booking system supporting event discovery, booking, and refund workflows
- Implemented frontend components and backend services using Spring Boot
- Integrated RESTful APIs and used GitHub for version control and team collaboration

WEB PROGRAMMING – CAMPUS FOOD FINDER

Feb, 2024 – June, 2024

Front-end Developer | Bootstrap, HTML, CSS, JavaScript, PHP

- Implemented a full authentication system to manage user sessions and provided a personalized experience
- Utilized a database-driven approach to dynamically fetch, filter, and sort store listings based on user criteria
- Designed a responsive, interactive layout using Bootstrap's grid system and JavaScript DOM manipulation to ensure seamless usability across devices