

# SHUN-HSIN (Allison) HOU

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## EDUCATION

### NATIONAL CENTRAL UNIVERSITY

B.S. in Management Information Systems

Taoyuan, Taiwan

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

Student Exchange – Academic Study Abroad Program

Irvine, California

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