Ting-Hsuan (Shireen) Hsu

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EDUCATION

Bachelor of Science in Computer Science   June 2022
University of California, Irvine
Specialization: Intelligence Systems
Coursework: Data Structure Implementation and Analysis, Machine/Data Mining, Information Retrieval, Principle in System Design, Programming in Java, Program in C/C++, User Interaction Software, Introduction Artificial Intelligence

SKILLS

- **Languages:** Python, C++, C, Java, R, HTML, CSS, Android, Git, Assembly, MySQL, SQL, Excel VBA, JavaScript, MongoDB
- **Operating Systems:** Microsoft Windows, macOS, Linux
- **Tools:** Office 365, iMovie, PowerPoint, Photoshop, Excel, Slack, NetBeans, Visual Studio Code
- **Languages:** English, Mandarin

EXPERIENCES / INTERNSHIP

- **Quality Assurance Engineer Intern**
  Umbo CV, Taipei, Taiwan   March 2021 – September 2021
  Developed automation scripts in Python to test and ensure the quality of the website, mobile app, and hardware, created and executed comprehensive test plans and test cases, tracked bugs, quality assurance metrics and reported to other engineers using a bug tracking software, wrote useful tools, such as GUI and web server, to assist Field Application Engineers in solving debugging issues, performed English to Chinese translations for Umbo software products

- **Full-Stack Software Engineer Intern**
  KJ Soft, Taipei, Taiwan   August 2020 – September 2020
  Wrote programs in Python that convert from log files of credit card transactions to JSON files and catch transaction failures for a transaction monitoring software
  Developed a business process management website with C# and JavaScript, made financial reports using SQL Server, designed forms for purchase requisition and order in Microsoft XForm and JavaScript, created APIs in C# and Ajax in JavaScript to send and retrieve data from SQL Server, translated from Chinese to English for the website, used SAP testing tool to test if SAP RFC retrieve data from the client's SAP system

- **Certified Learning Assistant**   February 2020 – June 2020
  University of California, Irvine
  Led in-class discussions in lectures three days a week for lower-division course ICS 6B Boolean Algebra consisted of 300 students, held office hours one day a week for students to ask questions or discuss questions assigned by the professor, answered students' questions on Piazza, assisted teacher assistants' discussions, and enrolled in LA training courses to learn multiple pedagogies that are applied to facilitate active learning and discussions

PROJECTS

ICS Search Engine: January 2020 – March 2020
- Built a web search engine in Python to crawl UCI Information Computer Science Department's websites politely by implementing robot.txt and delay; tokenized and indexed contents in pages and ranked the documents by tf-idf or cosine similarity; set up the web GUI by Python Flask and designed pages in HTML

Healthy Anteater   November 2020 – December 2020
- Wrote a website using JavaScript, HTML, Nutrition API, and jQuery that users can search a food's nutrient content through search box or scanning food barcode, calculate users' optimal macronutrients and calories burned and intake according to users' food intake and workout

ACTIVITIES

Hackathon: HackUCI 2020   January 31, 2020 – February 2, 2020
- **EcoCart**
  Collaborated with teammates in a 36-hour coding competition; built an app in Android Studio and Swift that calculates the total CO2 emission from food groceries users purchase and provide alternatives for each food item showing the reduction in users' carbon footprints

Volunteer   June 2017 - present
- Visited Fountain Care Senior Center in Orange; tutored 50 students from Madison Elementary School in math, reading, and writing, volunteered in Orange County Food Bank; assisted with medical outreach in Santa Ana; fundraised in multiple locations for lower-income family and natural disasters, including NorCal Camp Fire, Cyclone Idai with Tzu-Ching Club