

Ting-Hsuan (Shireen) Hsu

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OBJECTIVE

Seeking an internship in the fields of artificial intelligence where I can apply my full stack engineering internship experience and knowledge in artificial intelligence system

EDUCATION

Bachelor of Science in Computer Science

June 2021

University of California, Irvine

Specialization: Intelligence Systems

COURSEWORK

- Data Structure Implementation and Analysis, Application of Probability in CS, Information Retrieval, Introduction Artificial Intelligence, Principle in System Design, Programming in Java, Program in C/C++, Projects in AI, Machine Learning

SKILLS

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

EXPERIENCES / INTERNSHIP

- Full Stack Software Engineering Intern**
KJ Soft, Taipei, Taiwan August 2020 – September 2020
Wrote programs in Python to convert from log files of credit card transactions to JSON files and catch transaction failures with ELK for a transaction monitoring software
Developed a business process management website for Carrefour with C#, JavaScript and JQuery, made financial reports for operating expense and capital expenditure and created tables and views 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, translate the website into Chinese with ASP.Net resources files and JavaScript, used SAP testing tool to test if SAP RFC successfully retrieve data from Carrefour's SAP system
- Certified Learning Assistant**
University of California, Irvine April 2020 – June 2020
Led in-class discussions in lectures three days a week for lower-division course ICS 6B Boolean Algebra consists 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 the pages in HTML
- Kaggle Competition:** June 2020
Utilized supervised learning models, including Gradient Boosting, Random Forest, and Extra Trees Classifier from Scikit-Learn to optimize the validation scores given 200,000 data, won 9th place in CS 178 Machine Learning's Kaggle competition

ACTIVITIES

- Hackathon: HackUCI 2020** January 31, 2020 – February 2, 2020
Collaborated with teammates in a 36-hour coding competition; built an app in Android Studio and Swift called EcoCart that calculates the total CO2 emission from the 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