**Ting-Hsuan (Shireen) Hsu**

hsuth@uci.edu | (949) 668-5678 | https://github.com/Ting0718

**OBJECTIVE**

Seeking an internship in the technology field where I can apply my programming and problem-solving skills.

**EDUCATION**

**Bachelor of Science in Computer Science**  June 2021

University of California, Irvine

Specialization: Intelligence Systems

**RELEVANT COURSEWORK**

* Data Structure Implementation and Analysis, Introduction to Probability & Statistics/CS, Information Retrieval, Introduction Artificial Intelligence, Principle in System Design, Programming in Java, Program in C/C++, Machine Learning

**SKILLS**

* **Programming/Scripting Languages:** Python, C++, C, Java, R, HTML, CSS, Android, Git, Assembly, MySQL, SQL, PostgreSQL
* **Operating Systems/Environments:** Windows, IOS, Linux, PyCharm, Slack, NetBeans, Visual Studio Code
* **Software:** Office 365, iMovie, PowerPoint, Photoshop, Excel
* **Languages:** fluent in Mandarin

**RELEVANT EXPERIENCES / INTERNSHIP**

* **Learning Assistant**  Feb 2020 – Jun 2020

University of California, Irvine

Peer learning assistant in the classroom for lower-division course ICS 6B Boolean Algebra consists of 300 students

Enrolled in LA training course to learn multiple pedagogies that are applied to facilitate active learning and discussions,

Helped answer students’ questions on Piazza

Held in-class discussions three days a week and office hours one day a week where students can ask questions or discuss questions assigned by the professor

* **Full Stack Software Engineer Internship**

KJ Soft, Taipei, Taiwan/ August 3rd 2020 – October 3rd 2020

Write programs in Python that 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# and JavaScript, made financial reports for operating expense and capital expenditure and created tables and views using SQL Server, designed forms for purchase requisition and purchase order in Microsoft XForm and JavaScript, wrote APIs in C# and Ajax in JavaScript to send and retrieve data from SQL Server, translate the website into Chinese by creating ASP.Net resources files,

Used SAP testing tool to test if SAP RFC successfully retrieve xdata from Carrefour’s SAP system

**PROJECTS**

**ICS Search Engine:** Jan 2020 – Mar 2020

* Built a web search engine in Python that crawls 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 in HTML

**Zot Reddit:**  Mar 2020

* Developed an Android application that provides the basic functionalities of Reddit; Users can join a thread, make a post, reply to a post, and upvote a post or a comment. All the posts are stored in Google Firebase

**BooEditor:** May 2019

* Developed a terminal-based text editor similar to Vim; implements abstract classes in C++ Standard Library by applying the concepts of object-oriented programming and data abstraction

**ACTIVITIES**

**Hackathon: HackUCI 2020**  Jan 31, 2020 – Feb 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 the food groceries users purchase and provide the alternative for each food item showing the reduction in users’ carbon footprints

**Volunteer** Jun 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