

Chien-Chi Liu

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EDUCATION

Master of Science in Human-Computer Interaction

University of Maryland, College Park, MD

Expected: May 2025

GPA: N/A

- Technical Skills: **Javascript**, HTML, CSS
- Relevant Coursework: Introduction to HCI Fundamentals, Introduction to Programming for Information Professionals, User Experience Research Methods

Bachelor of Science in Computer Science

The Pennsylvania State University, University Park, PA

August 2019-May 2023

GPA: 3.60

- Technical Skills: **Python**, **React**, **Typescript**, AWS, DynamoDB, Excel, Java, C, C#, MySQL, PHP
- Relevant Coursework: **Algorithms and Data Structures**, **Operating System**, Linear Programming, Object-Oriented Programming

EXPERIENCE

KCF Technologies

June 2021-August 2021

Savings Tracker Project - Capstone Project

- Redesigned a pre-existing project using React and Javascript with AWS amplify and DynamoDB
- Migrated a 7000 old data from Excel Sheet to a new database using Python Numpy and Pandas
- Improved the information input time for Analysts from 12 hours per year to 2 hours per year

Future Innovators Program - Software Engineering Intern

June 2021-August 2021

- Resolved problems including styling, formatting, and wording issues in the existed code
- Developed and maintained major features of company's comprehensive machine health app using React and CSS
- Fixed problems including mostly API issues using C# and .Net Core

The Pennsylvania State University

University Park, PA

Research Assistant - CrowdAI Lab

August 2022-Present

- Maintained questionnaire webpage using Javascript for respondents to have better user experience
- Designed and established detailed information to improve the current survey user interface

Simple E-commerce Website

November - December 2021

- Built backend with PHP and database management with MySQL
- Implemented the knowledge of indexing to improve the query speed by 50%

Stock Profit Comparison

January 2021

- Built a program in Python with Excel using Pandas and Numpy library to analyze the profit of stock data in biotech fields before and after COVID-19
- Used object-oriented programming skills for the automation of data detection, delivered the trend of stock data within past 2 years, and compared profit in different timeframes

LEADERSHIP EXPERIENCE

Engineering Career Envoy, College of Engineering

The Pennsylvania State University

Aug. 2022 - Present

University Park, PA

- Helped promote programs supported by both Career Resources and Employee Relations office and the College of Engineering
- Provided guidances about résumés, cover letters, interviews, and professionalism at work

Public Relations, Taiwanese American Student Association

The Pennsylvania State University

Aug.2019-July 2021

University Park, PA

- Maintained current sponsors by promoting through social media
- Provided cashier services at football stands in all home games