Marawin Chheang

UI/UX Designer and Full-stack Software Engineer

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WORK EXPERIENCE

UCI Office of Information Technology • Front-End Developer and Support

Irvine, CA | July 2019 - Present

- Developing, maintaining, testing, and documenting user interface and user experience of the IAM portfolio and services and upcoming web application projects serving over 50,000 students and faculties.
- Re-designed and implemented user interface of WebAuth (university main single sign-on page) and UCI Directory (university directory search engine) to fit universal design, modern web standard, and university branding guideline.

RESEARCH EXPERIENCE

Understanding User Perceptions of Algorithms Prediction in Personal Health • UCI SURF-IT Fellow

Irvine, CA | June 2020 - Present

- Awarded with a $2,000 stipend to participate in the Summer Undergraduate Research Fellowship in Information Technology (SURF-IT) program.
- Prototyped fertility tracking web application for a simulation study to understand the design of AI data tracking technologies using *React* for front-end, *Express.js* for back-end, and *MongoDB* for storing data.

Sticking To Your Goal: Sharing Personal Achievement through Digital Sticker on Ephemeral Social Media • Undergraduate Student Researcher

Irvine, CA | December 2019 - Present

- Awarded with a $3,000 stipend and an Honorary Summer Undergraduate Research Program (SURP) Fellowship.
- Developing an *Express.js* server-side application to dynamically generate a custom GIF sticker upon request from a mobile application and handle communications with third-party social media APIs.

LEADERSHIP EXPERIENCE

Information and Computer Science Student Council • Project Manager

Irvine, CA | June 2019 - Present

- Founded and developed PeterPortal, a web application and public API to enhance UCI students experience with course planning.
- Planned software requirements and managing collaboration between 15+ student developers utilizing *Jira* for task board, product roadmap, issue tracking, etc.
- Extensive hands-on experience with full-stack development: *React, Express.js, MySQL, ElasticSearch, AWS, Nginx, PM2, Serverless.*

PROJECTS

uwusic • HackUCI

Irvine, CA | January 2020

- Awarded Best Life Hack at HackUCI 2020.
- Developed a web application to dynamically generate Spotify playlist based on emotion determined by facial expression.
- Trained a KNN machine learning model to classify how audio features relates to human emotion.
- Integrated Spotify API to create "recommendation" playlist on the user's account based on seeds from their music history and to get audio feature of each track to determine its relevance to the user's current mood.

EDUCATION

University of California, Irvine

B.S. in Software Engineer

3.5 GPA | Anticipated June 2021

Dean's Honor List: Fall 2019, Winter 2020, Spring 2020

Relevant Coursework:
User Interaction Software
Database Management
Project Management
Computer Networks
Internet Application Engineering

National University of Singapore

UC Education Abroad Program

3.7 GPA | January - May 2019

SKILLS

Technical

Express.js
HTML/CSS/Javascript
Java
Python
React
Ruby on Rails
MySQL
MongoDB

Tools

Adobe Creative Cloud
Amazon Web Services
Figma
Git Version Control
UNIX/Linux

Process

Graphic Design
Agile Software Development
Project Management
UI Wireframing/Prototyping
User Study/Research