

# Tony Chan

UX/UI Designer & Fullstack Developer

Designer & developer with startup experience in creating and implementing elegant, engaging, and functional interfaces

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Fountain Valley

https://gmtchan.github.io

## WORK EXPERIENCE

### UX/UI & Software Development Intern 64Pos

06/2017 – 09/2017

San Diego

Point-of-sale software for modern medical dispensaries

Tasks:

- UX/UI Project: A newsletter app for B2B cannabis professionals
- Market research, competitive analysis, wire framing, prototyping, Photoshop, inVisionApp, site mapping
- Software Development Project: A point-of-sale platform
- Implement components of a B2B website which helps businesses coordinate inventory, employees,
- PHP, Javascript, NodeJS, ReactJS, Java Microservices

### Instructional Assistant

University of California, San Diego

01/2017 – 06/2017

La Jolla

Courses: Data Science in Practice & Intro into Statistical Analysis

Tasks:

- Lead weekly labs/discussions with 30+ students
- Collaborate with other assistants to create extensive Jupyter notebook assignments
- Work with professor on quizzes, homework, and exams
- Material: Python, JSON, XML, SQL, PCA, model validation techniques, k-means

### Supervisor

UCSD Recreation

05/2015 – Present

La Jolla

Tasks/Achievements:

- Maintain direct leadership, customer service, general supervision & regulations
- Supervisor of the Quarter Award (Fall 2016)

## EDUCATION

### B.S. Cog-Sci: Human Computer Interaction Minor in Computer Science

University of California, San Diego

09/2014 – 06/2018

3.65/4.00

Relevant Coursework:

- Interaction Design
- Computer Organization & Systems Programming
- Advanced Data Structures
- Data Science in Practice
- Math/Algorithms & Systems Analysis
- Design for Development
- Usability & Info. Architecture
- Modeling & Data Analysis
- Cognitive Design Studio
- Design & Analysis of Algorithms

## SKILLS

Javascript

HTML

PHP

CSS

Bootstrap

jQuery

AJAX

ReactJS

Python

Java

Java Microservices

C/C++

Wireframing

Site mapping

Prototyping

inVision

Inkscape

Photoshop

Adobe Xd

GravitDesigner

Usability testing

User Interviews

Competitive analysis

Google Analytics

A/B testing

GitHub

Bitbucket

GDB

Valgrind

J-Unit Debugging

Google Play Services

Multithreading

Bash

MATLAB

## PERSONAL PROJECTS

### EventQR

- A web based application which generates and scans QR codes for events and automatically
- HTML, CSS, & Javascript
- Performed Google Analytics A/B testing with 30 random subjects using Pearson correlation coefficient
- Pitched and demonstrated the application in front of an audience of 300+

### Project Fly Away

- Took datasets from Department of Transportation to create a predictive model (in MATLAB) for the best time to purchase cheap domestic airline tickets
- Methodology: principal component analysis, linear, quadratic, and polynomial regression

## LANGUAGES

English, Chinese

## ACTIVITIES

### FVHS Volleyball Team (01/2012 – 06/2014)

Captain: Experience with direct leadership and coordination of events

### Phi Delta Theta Fraternity (05/2016 – Present)

Founding Father: Create constitutional traditions for future generations. Host two major philanthropies & minimum of 25 hours of community service every quarter