

# Karen Kaweng Sin

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## **TECHNICAL SKILLS**

Html5, Javascript (ES5, ES6), CSS, ReactJS, SQL, Node.js, Express/Node

## **EXPERIENCE**

### **Apple.Inc**

May 2018- Nov 2019

GIS Data Analyst

- Enhanced data accuracy on Apple Maps by improvising the implementation and deployed new map features to identify potential errors and signals for maps.
- Built analytics around traffics and road alterations via SQL for large data query and data entry
- Successfully delivered and assured the precision of data gathered and implemented into apple maps. Worked closely with designers on new map features which included planning out workflows on the delivery of the features to maximize findability, interface behaviors and how information is being navigated and displayed.

**University of California, San Francisco**- Department of Psychiatry  
Research Associate II

July 2017- April 2018

- Discovery of the Cortical Inhibitory Neurons in Syndromes with High Rates of Autism Spectrum Disorder (ASD). Current discovery is being used as a major part of understanding the impact of mutations in other genes. Experiments focused on the expression of genes associated with autism spectrum, chromatin regulation of ASD gene regulatory elements across development and major contributions to further research in relation to the field.

## **PROJECTS**

### *Tetris*

Tetris is a tile-matching puzzle online game implemented in javascript. User can rotate the falling tetromino 90 degrees at a time and user can also shift the falling tetromino sideways and downward one space at a time. The goal of the game is to fill all empty spaces within one or more rows of the playfield, user loses when the playfield is piled up and the last tetromino landed has exceeded the playfield.

### *Bloccit (via Express/Node.js)*

An Application that uses the Model-View-Controller Pattern (MVC) to handle requests, allowing easier manipulation in sections and functionality. Application utilizes ExpressJS - Middleware to perform authentication and validation which allows users to sign up, sign in and create topics, posts, comments and votes amongst others.

### *Chat-ty ( via React )*

An application based on Firebase (BaaS) that can authenticate users using Google sign-in, sends and receives messages in real time

### *Music Player ( via React )*

A music player made using React Router to create a Single-Page Application to handle client-side page transitions

**EDUCATION**

Bachelor of Science, Animal Science  
University of California, Davis

2012-2016

Bloc. io  
Web Developer Track

April 2018- June 2019  
(completed)