Cindy Wang

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Professional Experience

One Codex - *Software Engineer* San Francisco, CA: May 2017-Current

- ❏ Implemented data visualization tools for metagenomics research
- ❏ Built a submission portal to integrate the One Codex research platform with the National Center for Biotechnology Information's Sequence Read Archive

Center for Translational Cognitive Neuroscience - *Research Assistant* Boston, MA: Summer 2015

- ❏ Developed MATLAB scripts and a user interface to analyze electroencephalography data and detect markers for long-term learning and administered cognitive tests to patients

Software Projects

Wellp - *Sole Developer (Rails, React, Redux)* Live | GitHub

Full stack Yelp clone where users write reviews of businesses they hate

- ❏ Retrieved data with jQuery AJAX requests and multi-table query methods to optimize lookup time for search results
- ❏ Utilized the Google Maps API to display search results and redirect to business pages based on user's location of interest

Bulletter - *Front End Engineer (JavaScript, FileSaver.js)* Store | GitHub

A Chrome extension for highlighting notes with integration into MS Word

- ❏ Dynamically manipulated browser content to highlight the user's notes
- ❏ Leveraged the Chrome Storage API, XML, and FileSaver.js to create a downloadable Word document which formats the relevant information

BandoJambo - *Front End Engineer (JavaScript, HTML5)* Live | GitHub

Synthesizer built for the browser

- ❏ Implemented the Howler.js, Easel.js, and Tween.js libraries to create audio and visual content in response to user input

UNItconverter - *Android App Developer (Java)* Store | GitHub

Unit-converter application for people who love cats

- ❏ Designed and implemented the API for a scientific unit converter
- ❏ Collaborated with a team to present cat facts through the Cat Facts API

Skills

Ruby/Rails
Python/Flask
React/Redux
JavaScript
C++
Java
jQuery
HTML5/CSS
Nightwatch.js
RSpec/Pytest
MATLAB
SQL
Git

Additional Projects

Biomedical Capstone Project

- ❏ Built an autoclave for low-resource settings by utilizing local resources such as discarded electronics, especially plasma cutter components

Biomedical Measurements

- ❏ Designed and conducted a study to observe heart activity in response to emotional stimuli
- ❏ Developed MATLAB scripts to analyze the frequency response of electrocardiogram data

Education

Boston University, May 2016

- ❏ BS in Biomedical Engineering, GPA 3.54, Cum Laude, Presidential Scholar
- ❏ Member of Tau Beta Pi and Alpha Eta Mu Beta honor societies