Cindy Wang

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Experience

Synthego   Menlo Park, CA
Full-Stack Software Engineer   June 2018 - Current
- Developed tracking, planning, and data visualization functionality for the laboratory information management system (LIMS)
- Collaborated with lab managers, scientists, research assistants, and process engineers to create API endpoints and design user interfaces
- Assisted the development of the workflow management system and programmed all initial cell engineering lab processes into LIMS after its completion

One Codex   San Francisco, CA
Full-Stack Software Engineer   May 2017 - June 2018
- Added metagenomic diversity visualization tools by incorporating scikit-bio, seaborn, and Krona plots in the open source One Codex Python client library and web application
- Built new search functionality on our web application so users can search under multiple and different fields such as tags, taxonomic ranks, or sequencing platform

Center For Translational Cognitive Neuroscience   Boston, MA
Research Assistant   June 2015 – Aug 2015
- Participated in weekly patient rounds where we discussed patient history and possible diagnoses
- Administered tests to patients and research subjects to assess cognitive decline
- Developed a MATLAB script to visualize and analyze electroencephalography data and detect markers for long-term learning
- Created a user interface for the MATLAB script so that teammates could reconfigure electrode groupings, which research subjects to analyze, and which outcomes to analyze data for

Skills

Current: Python/Django, Javascript/React, SQL, Unittest, Git, Jest, Enzyme
Past: Flask, GraphQL, Pytest, Nightwatch.js, MongoDB, MATLAB, C++, Java
Hobbies: Blender

Software & Biomedical Coursework Projects

Biomedical Capstone Project
- Used oscilloscopes, multimeters, and discarded electronics from a plasma cutter to prototype and autoclave for low-resource settings

Biomedical Measurements
- Designed and conducted a study to observe heart activity in response to emotional stimuli such as scary and funny videos
- Developed MATLAB scripts to analyze cardiovascular frequency responses

UNItconverter - Unit-converter Android application for people who love cats
- Designed and implemented the API for a scientific unit converter
- Team earned extra credit for having 50+ downloads in the Google Play store

Education & Involvement

Boston University Sept 2012-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

Engineers Without Borders SF, Fundraising Chair, Jan 2018-Current
- Developed a Rust Yelp scraper to search reviews for keywords and discover collaboration opportunities with local businesses