Cam Bui

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EXPERIENCE

Software Engineer Intern, Livestack.video.   Sep 2020 – Oct 2020

★ Built realtime activity feed to increase user engagement by integrating **Socket.IO** with **React** application, **Express** server, and **PSQL** database.

★ Refactored **React** form wizard for maintainability and testability. Increased test coverage of existing components from 7.7% to 100%.

Data Processing Associate, Invitae.   May 2018 – May 2020

★ Centralized quality control process by writing efficient queries to AWS-hosted databases to build **Tableau** dashboards. Reduced production time by 75%.

★ Wrote analytics user stories and acceptance criteria to implement product analytics software to track user conversion and uncover realtime pain points.

Research Assistant, Action & Consciousness Lab.   Aug 2016 – Dec 2018

★ Conducted psychological research on action control, urges, and sense of immediacy as a function of intention with semantic associations. Published research in Psychology of Consciousness.

SOFTWARE PROJECTS

Anaconda

● Developed a browser-based game using Canvas API to build a 2D grid and draw realtime animations that allows users to play a remix of the classic arcade game Blockade.

● Designed an NPC that detects food and uses obstacle-avoidance strategies to move towards food.

● Utilized: Javascript, Canvas API, HTML, CSS. Demo. [GH](GH).

Warbler

● Built a server-rendered Twitter clone that allows users to create accounts, follow others, read a tweet feed from users they follow, and like tweets.

● Utilized: Python, Jinja, Flask, and PostgreSQL. Demo. [GH](GH).

EDUCATION

Rithm School, San Francisco, CA.	Full Stack Web Development	Jul 2020 – Oct 2020
San Francisco State University, SF, CA.	Masters coursework in Psychology	Aug 2016 – Dec 2018
	Sally Casanova Pre-doctoral Scholar	Aug 2018 – Dec 2019
San Francisco State University, SF, CA.	Bachelor's in Kinesiology	Aug 2013 – Dec 2015

SKILLS

Languages & Technologies: Javascript, Python, SQL, Node.js, HTML, CSS, Git, npm, Heroku

Frameworks: React, Redux, Express, PostgreSQL, Flask, Jinja, Jest, unittest