

VICTORIA CAMPBELL

SOFTWARE ENGINEER

VNKCAMPBELL@GMAIL.COM
+1.203.434.6227

[GITHUB](#) | [LINKEDIN](#)

ABOUT

Full-stack software engineer and disciplined self-starter in San Francisco with a background in mathematics and biology from UC Berkeley and 5+ years in biotechnology

EDUCATION

FULL-STACK SOFTWARE DEVELOPMENT
APP ACADEMY, 2019-2020

B.S. MATHEMATICS

B.A. ENVIRONMENTAL SCIENCE
UNIVERSITY OF CALIFORNIA, BERKELEY
2011 - 2015

A.S. BIOLOGY, GENERAL

A.S. NATURAL SCIENCE
SANTA BARBARA CITY COLLEGE, 2016

SKILLS

- JavaScript
- C++
- SQL
- Ruby on Rails
- React
- Redux.js
- PostgreSQL
- MongoDB
- Node.js
- HTML / CSS
- AJAX
- Postman
- Amazon Web Services
- Heroku
- Git

EXPERIENCE

SENIOR PET FINDER, 2020-

[LIVE](#) | [GITHUB](#)

RUBY ON RAILS, REACT, REDUX, HTML5, CSS3, POSTGRESQL, AWS S3, HEROKU

A user-friendly web app for adopting senior pets

- Connected the Rails backend to AWS S3 for multimedia storage to optimize scalability and reduce server load
- Normalized database to 3rd normal form to reduce data redundancy and improve data integrity

DNABORHOOD, 2020-

[LIVE](#) | [GITHUB](#)

JAVASCRIPT, HTML5, CSS3, ADOBE PHOTOSHOP, GITHUB PAGES

Educational game teaching genome sequencing and structure

- Designed custom CSS effects, a game board randomization algorithm, and original graphics to improve player experience

HIKE SF, 2020-

[LIVE](#) | [GITHUB](#)

MONGODB, EXPRESS.JS, REACT, NODE.JS, HTML5, CSS3, AWS S3, HEROKU

A crowd-sourced web app to view and create local hiking trails

- Implemented geolocation-based searching with the Google Maps API Minimized AJAX requests by adding the current user and trail to state
- Scrum Master, primary developer and code reviewer

CASE DATA ANALYST

HEARTFLOW INC. | 07/2018 - 07/2019

- Modeled coronary artery blockage using CT scan data, statistical inference and probabilistic machine learning
- Exceeded monthly case targets by 800% and maintained a 98% accuracy rate
- Re-engineered case management systems to reduce processing times
- Trained 20+ new analysts on the re-engineered workflow

SURGICAL RECOVERY

SELF | 06/2017 - 07/2018

CLINICAL RESEARCHER

UCSF SCHOOL OF DENTISTRY | 12/2015 - 06/2017

- Generated statistical models with linear and logistic regression analysis of clinical trials using R
- Trained 50+ Contact Research Organizations and managed groups of 30+ high school students during field visits

PROGRAM MANAGER

ALTA BATES MEDICAL GROUP | 09/2014 - 12/2015

- Reduced new patient induction time by 60% by increasing guidance levels throughout the healthcare process
- Overhauled the organization's federal and state compliance curriculum and trained 80+ new and existing employees

UNDERGRADUATE RESEARCHER

UNIVERSITY OF CALIFORNIA, BERKELEY | 09/2011 - 01/2014

- Modeled simulations of the Multi-Mission Radioisotope Thermoelectric Generator for Curiosity- NASA's Mars Rover