

Edwin Zhang

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Education

University of California, Santa Barbara, California

Expected Graduation – June 2021

Bachelor of Science Computer Science

Regents Scholar (top 2.5% of school), College of Engineering Honors Student

Relevant coursework: Object Oriented C++ , Data Structures and Algorithms, Artificial Intelligence, Intro to Data Science

Palomar Community College, San Marcos, California

September 2018 – June 2019

Relevant coursework: Multivariable Calculus and Differential Geometry, Linear Algebra

Employment History

Allthenticate

Lead Frontend Developer

March 2020 – Current

- Led development on cloud platform in early stage startup, collaborating directly with the CEO to interface with proprietary API.
- Learned advanced Vue JS by taking complete responsibility at each step of the development phase – delivered three production ready pages and authentication redirect module.
- Gained experience with emerging web technologies such as JWT, ProtoBuf, and Nuxt.js

Yaitea (self-employed)

Business Owner

August 2018 – September 2019

- Assessed a need for tutoring code and critical thinking to children, as programming skills arose in demand and traditional tutoring services struggled to keep up.
- Gained comprehensive experience with Google Cloud, Nginx, WordPress, and Frontend Web Dev through creating the tutoring business' website, at **yaitea.com**
- Collaborated with several students and parents to create lasting relationships
- Applied ability to learn rapidly and on the fly through the picking up and application of basic marketing to give sales pitches on the tutoring service
- Organized an extensive programming curriculum of 24 lessons
- Taught over 200 hours of coding and critical thinking to students

Mathnasium

Math Tutor

June 2017 – September 2017

- Developed robust teamwork skills through daily collaboration with other tutors
- Leveraged detail-oriented personality to precisely record each student's progression through problems, homework sets, and curriculums
- Communicated clear and concise summaries for parents after each student's session
- Began to develop tutoring skills that would eventually evolve into Yaitea.

Research Experience

Biometric authentication with EEG brainwaves (Yi Ding, Professor Tobias Hollerer)

March 2020 – Present

Experiment designer and analyst

- Designed variant of leave one out validation for binary classification on authenticated user
- Created new data loader class with Pytorch to use with Yi's existing EEG CNN
- Wrote up results for publication, to submit to ICMI in May 2020.

UCSB Sexuality Research Project (Professor John Baldwin)

October 2019 – Present

Backend developer and Webmaster

- Reduced load times by 80% by enabling server and client side caching, increasing monthly viewership by 30% from 40,000 to 53,000
- Lead developer for homepage, topics page, search bar, and FAQ page.

Professional Skills

Advanced

Technical Communication (Explaining Code)

Vue JS (Frontend Web Dev)

Numpy/Pandas

Intermediate

React JS

Pytorch

Flutter

Bash Scripting