

Tony Xin

🌐 tonyxin.com | 📧 ttonyxx | 💻 tonyxin | ✉️ tonyxin@berkeley.edu | 📞 650-518-9339

EDUCATION

University of California, Berkeley

B.S. Electrical Engineering and Computer Science

May 2024

GPA: 3.96/4.00

Relevant Coursework: The Structure and Interpretation of Computer Programs, Data Structures, Physics for Scientists and Engineers, Designing Information Devices and Systems, Discrete Mathematics and Probability Theory

Honors/Organizations: Eta Kappa Nu (top 25% of EECS students), Internal Vice President at Launchpad (machine learning club), Engineering Manager at Web Dev @ Berkeley

EXPERIENCE

Silicon Labs

May 2022 - Aug 2022

Software Engineering Intern

Austin, TX

- Currently leading an initiative to architect and develop an internal documentation analysis service that runs grammar checks, readability measure, passive word analysis, and more; increasing documentation creation cycle efficiency by 30%.
- Using TypeScript on Markdown/Doxygen compiler to call Grammar API to analyze and transform data model.
- Filtering spelling errors with custom dictionary of allowed/disallowed words stored on Stash; testing done with Jest.
- Building server-side rendered React front-end that displays the live documentation website with an analytics menu.

Politiq

August 2021 - January 2022

Software Engineer

Berkeley, CA

- Delivered full stack web app that connects campaign recruiters with volunteers or workers seeking open roles.
- Worked with a team of 5 back-end and 4 front-end developers following the agile software development process.
- Called back-end authentication and individual user routes from front end to retrieve data from Firestore database.
- Communicated with founders to build profile, campaign, and rotunda components with React, TypeScript, and Chakra.

Intellecture

February 2020 - July 2021

Co-Founder & Software Engineer

San Francisco, CA

- Worked alongside a startup accelerator to deliver a web application facilitating real-time lecture feedback for teachers.
- Ran info sessions for 40 teachers and subsequently partnered with them to run 200+ lectures with 500+ total students.
- Used Socket.io to send lecture questions, up-votes, and ratings to express server and Redis database hosted on AWS.
- Designed and implemented a Vue/Vuetify Dashboard, Lecture, and Lecture Analytics pages with a team of 3.

PROJECTS AND LEADERSHIP

Weekly

January 2022 - May 2022

Software Engineering Manager

Berkeley, CA

- Headed the creation of full stack web app that promotes productivity through data analysis and competition with friends.
- Oversaw the design of the Express back-end API that retrieves and delivers user tracking data from DynamoDB.
- Organized and assigned back-end and front-end dashboard and data analysis page tickets to 8 developers.

AssignHub

July 2021 - Present

Co-Founder & Full Stack Developer

Berkeley, CA

- Built an innovative and collaborative assignment tracker app geared towards college students using MongoDB, Node.js, and Express to store and manage user and class data, Redis for session storage, and Vue.js to construct a home dashboard.
- Amassed 300+ users with first launch and led marketing team to spearhead marketing campaigns at two universities.

Codet LLC

June 2019 - June 2021

Founder & CEO

Los Altos, CA

- Formed a passionate core team of four and pioneered the creation of a STEM education company for students by students.
- Ran camps that costed 80% less and offered higher quality content, recruiting teachers and hosting a site for registration.
- Earned over \$10,000 revenue in one summer with 40+ students participating in 8 different CS and science courses.

Other Projects

- **Schej** 🗓️: Social and professional scheduling tool for college students where users can share schedules and manage events.
- **STKRS** 🗣️: Social identity app for Web 3.0 where users can express themselves and trust others online.

ACHIEVEMENTS

4th Place SocialFi - Supernova Hackathon

2022

Built STKRS to take SocialFi 4th in Internet Computer blockchain global hackathon against ~4k participants.

Best Education Hack - HackHarvard

2021

Led a team of 4 to build an app connecting high school and college students to facilitate the college application process.

Best Health Hack - CalHacks

2021

Developed an app that personalizes the dining hall experience for both students and administrators, ~400 competitors

1st Place - Developer Week Hackathon

2020

Prototyped Intellecture to win overall prize at the nation's largest challenge driven hackathon with 600+ developers.

SKILLS

Areas: Full-stack Web Development, Software Development, Machine Learning

Languages: Java, Python, C, PHP, Go, Scheme

Web/Software: Vue.js, React.js, Node.js, Express, Socket.io, Jest, Chakra UI, HTML/CSS, JavaScript, TypeScript, MySQL, MongoDB, Firebase, Google Cloud, AWS, Git, Agile Software Development

ML/AI: Pytorch, Numpy, Pandas, Matplotlib, Hugging Face