

Tony Xin

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EDUCATION

University of California, Berkeley

B.S. Electrical Engineering and Computer Science

May 2024

GPA: 3.97/4.00

Relevant Coursework: The Structure and Interpretation of Computer Programs, Data Structures, Introduction to Database Systems, Computer Security, Efficient Algorithms and Intractable Problems, Discrete Mathematics and Probability Theory

Honors/Organizations: Eta Kappa Nu (top 25% of EECS students), *Internal Vice President* at Launchpad (Creative ML and AI), *Engineering Manager* at Web Dev @ Berkeley

EXPERIENCE

Aurora Solar

January 2023 - May 2023

Software Engineering Intern

San Francisco, CA

- Developed a robust financing comparison feature with React and TypeScript, enabling users to easily visualize various financing data queried with GraphQL from the backend, resulting in improved user experience for 40k+ projects/week.
- Successfully implemented a redesign of the print proposal page and the entire sales mode page using Styled Components.
- Integrated event tracking to enable data-driven decision-making and wrote comprehensive Cypress tests for each feature.

Roblox

May 2023 - August 2023

Product Management Intern

San Mateo, CA

- Delivered QR Code Scanner and Profile Link Sharing features to the Roblox app by leveraging data science analysis, user research, and input from stakeholders, working closely with engineers to create detailed engineering task breakdowns.
- Executed and analyzed a large-scale addition of 3D avatar to QR code experiment, reaching 66 million daily active users.
- Pioneered a new, enhanced on-boarding flow to increase % of users with IRL friends by day 7 - presented to team leaders

Silicon Labs

May 2022 - August 2022

Software Engineering Intern

Austin, TX

- Boosted company-wide documentation creation efficiency by 50% after conducting an initiative to architect and develop an internal analysis service that runs grammar checks, readability measures, passive analysis, and more for ~130k pages.
- Analyzed document data model using TypeScript in Markdown/Doxygen compiler; stored results on PostgreSQL.
- Built display of an analytics menu on the live documentation site using server-side rendered React; tested with Jest.

Politiq

August 2021 - January 2022

Software Engineer

Berkeley, CA

- Delivered full stack web app for funded startup that connects campaign recruiters with volunteers or workers
- Communicated with founders to build profile, campaign, and rotunda components using React, TypeScript, and Chakra.
- Collaborated with 8 developers to set up and call back-end authentication and user routes to retrieve data from Firestore.

PROJECTS AND LEADERSHIP

AssignHub

July 2021 - November 2022

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.

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; coordinated info sessions for 40 teachers and then partnered with them to run 200+ lectures with 500+ participants.
- Sent lecture questions, up-votes, and ratings to express server and Redis database hosted on AWS using Socket.io.
- Designed and implemented a Vue/Vuetify Dashboard, Lecture, and Lecture Analytics pages with a team of 3.

Other Projects

- **Tomotime** 📄: React Native app enabling close friends to stay connected through groups and weekly text/image prompts.
- **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 4th in SocialFi at the 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, Dart, Scheme

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

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