

## LANGUAGES AND TECHNOLOGIES

**Proficient:** HTML/CSS, JavaScript/Typescript, React, Redux, Flow, Ruby on Rails, Python, Postgres, SQL, Git

## PROFESSIONAL EXPERIENCE

### Microbyr | Lead UI/UX Software Engineer | Berkeley, CA

December 2022 - present

- Designed web platform for scientists to manage research data and streamline automation using React and Typescript on Vite with Python (Flask) backend with Cypher, updated from a static vanilla JS/jQuery site
- Automated data validation in Airtable via Javascript scripts, improving user scientist efficiency & eliminating errors
- Conducted user interviews to ensure scientist users' needs were being efficiently addressed

### Snorkel AI | Front-End Software Engineer | Redwood City, CA

June 2021 - July 2022

- Worked as part of the User Experience Engineering team, which owned front-end across the company, to build and improve an auto-labeling machine learning platform built in React, Typescript, Tailwind, Next.js, and Python.
- Led and executed a foundational design system project to modularize front-end components with accessibility in mind, which was then used to redesign and re-implement a new internal platform.
- Created extensive Cypress end-to-end tests to trace crucial foundational demo testing paths to detect regressions before merging, significantly reducing regressions, especially during demos.
- Implemented front-end of a highly-requested crucial new multi-tenant feature, which led directly to multiple new enterprise client contracts. Worked collaboratively cross-team with backend.

### Yelp Inc. | Senior Full-Stack Software Engineer | San Francisco, CA

September 2019 - April 2020

- Built and iterated quickly on an experimental web application built in React and Python as part of the Market Fit team.
- Worked cross-functionally with the designer and product manager to achieve pixel-perfect consensus on all features.
- Maintained 100% test coverage with Enzyme framework.
- Introduced & implemented a new library to build a new front-end feature that tripled purchases (215-766% increase).
- Advocated more robust code and error tracing beyond on-call duties, leading to an improved end user experience.

### Cruise Automation | Full-Stack Software Engineer | San Francisco, CA

December 2017 - May 2019

- Maintained, created, and updated tools international contractors used to label data from self-driving cars on the Ground Truth team, using React, Redux, Flow, Three.js, Immutable, and Go, among other tools and technologies.
- Owned high-priority user interface needs and collaborated daily with the Operations team to prioritize needs directly requested from users, ultimately improving costs per task from 20% to 11% in one quarter.
- Led & presented a winning team hackathon project to discover, pinpoint, and address the most pressing needs of labelers, creating and deploying a semi-automated tool improvement that boosted production from labelers by 50%.
- Created, presented, & demoed a popular, "most engaging" hackathon project that cleverly reduced contractor costs.
- Presented a well-received tech talk at University of Waterloo about Ground Truth.

### WRKSH | Server (Backend) Software Engineer | San Francisco, CA

March 2016 - December 2017

- Built out Battle Camp & Beat Fever, 2 mobile games with up to 1 million unique users daily and 2 million monthly, using Ruby on Rails, DynamoDB, SQS, S3, Redis, Redshift, memcached on EC2, including API work with mobile eng.
- Overhauled company website and managed/reviewed contracted developers' work to build the company website.

## SIDE PROJECTS

### TrellNo | Solo Developer | <https://trellno.netlify.app/>

July 2020 - present

- Developed a web app and Chrome extension, written with React, that mimics Trello, including drag-and-drop cards, dark mode toggle, custom color columns, and local storage save with import and export, then modified the project to be used as a local Chrome New Tab extension. [Open-sourced the project.](#) Published on Chrome Store.
- Ideated, planned, created, and deployed the entire project, with live suggestions from viewers on Twitch stream.

## COMMUNITY

### Rially Mundane (Twitch) | Streamer & Content Creator | <https://ria.codes>

April 2020 - March 2021

- Live-streamed technical problem-solving, coding challenges, project-building, and technical and non-technical discussions 4-5 nights/week on Twitch to 2.2k followers, with an engaged audience of up to several hundred nightly.
- Managed linked active Discord server, Instagram, and Twitter accounts to grow social media presence & community.
- Approached by Microsoft Azure for a content creator collaboration.

## **Ground Truth at Cruise | University of Waterloo**

May 2019

- Presented well-received, engaging tech talk with coworkers (1 hour total) about Ground Truth and the Cruise Ground Truth team at the University of Waterloo to an audience of about 60 prospective hires.

## **Science Network (Discord) | Moderator | <http://discordnetwork.com>**

July 2017 - present

- Moderated and managed 6 STEM Discord servers, including an artificial intelligence server with 9.8k members and a computer science server with 6.2k members.

## **Subtle Asians - Bae Area (Facebook) | Founder & Admin | <http://subtleasiansbaearea.com>**

December 2018 - present

- Founded and grew an Asian-American Facebook community for the San Francisco Bay Area to 12.9k members with frequent meetups and dozens of active Messenger group chats with up to thousands of messages/chat/day.
- Established moderation policies and grew moderation team to handle both online and offline (meetup) disputes

## **INH Babes (Facebook) | Moderator | <https://www.facebook.com/groups/inhbabes>**

April 2023 - present

- Elected by popular vote to manage the official community of the Insert Name Here hair brand of 13.6k active fans
- Drove engagement with monthly post challenges and content, and served as liaison between company & users

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## **EDUCATION**

### **University of California, Berkeley**

August 2011 - December 2015

*Bachelor of Arts in Integrative Biology with Minor in Computer Science*

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**More work history available upon request.**