

Tommy Bruzzese

tbru@stanford.edu ❖ (781) 234-8011 ❖ tommybruzzese.com

EDUCATION

Stanford University, Class of 2023

B.S. Symbolic Systems, with concentration in Human-Centered Artificial Intelligence; GPA: 4.07/4.00

- Notation in Science Communication scholar, researching AI integration and user experience with algorithms
- Courses — Artificial Intelligence, Machine Learning, Web Applications, Designing for Impact, Natural Language Processing, Probability for Computer Scientists, Computer Organization & Systems, FEED Lab: Food System Design, Statistical Analysis of Fine Art, and Cross-Platform Mobile Development

EXPERIENCE

Apple, Software Engineering Intern (Hardware Technology) June 2021 – Sept 2021

- Lead designer and full-stack developer of React/Rails portal that streamlines asset management for thousands of hardware engineers. Created a modern, accessible UI system to effectively display mission-critical technical data.
- Built extensible component library for data tables, forms, and accounts that can be used across org's domains.

Tesla, Product Management Intern (Supercharging User Experience) Jan 2021 – June 2021

- Pitched and executed weekly on 9 Vehicle UI ideas for Tesla CTO and Supercharging Director. Iterated designs, de-risked, and developed features that markedly increased consistency across production vehicle experiences.
- For a visual network planning tool, took initiative to conduct 11 UX interviews and prioritize needs with business and engineering managers for MVP and long-term roadmap.
- Principal product manager of 4 engineers. Led weekly sprints for 3 months, communicated succinctly to stakeholders, and organized global launch of internal planning feature that received 2700 sessions in first week.

Expo, Full Stack Software Engineering Intern June 2020 – Sep 2020

Expo is an open-source platform for creating universal apps. It is used in over 335k GitHub repositories

- In 6 weeks, developed and deployed new Activity dashboard that streamlines all updates to an Expo app project.
- Built responsive React UI (designed with Figma) that dynamically renders each Activity type; built GraphQL API and coalesced multiple databases with custom pagination based on PostgreSQL object timestamps.

Python Algorithm Developer, Movie Recommendation Chatbot June 2020 – Sep 2020

- In team of 3, coded chatbot that recommends movies using sentiment analysis and collaborative filtering from a database of thousands of ratings. Directed development of natural language preferences extraction.

User Researcher and Sustainability Designer, Dairy Shopping Buddy Oct 2019 – Dec 2019

- Prototyped and iterated an SMS chatbot that recommends sustainable dairy products based on past purchases.
- Balanced specialized product filtering with an easy, seamless onboarding for a stronger customer experience.

RESEARCH

Author, Understanding Physical Practices and Role of Technology in Manual Self-Tracking Apr 2020 – Present

- IMWUT 2020 paper analyzing complex frustrations of 404 people who manually track emotions and fitness.
- For a follow-up paper, co-leading development of privacy-focused mobile app that uses long-term trends, smart reminders, and device affordances to enhance manual tracking. Conducting month-long IRB study with 40 users.

Co-First Author, Effect of Confidence Indicators on Trust in AI-Generated Profiles Sep 2019 – Feb 2020

- CHI 2020 Late-Breaking Work. Co-wrote and presented paper on how various confidence indicators affect user trust when applied to AI-written profile bios.

ADDITIONAL INFORMATION

Languages: JavaScript, React, Python, Java, React Native, C++, Swift, C, GraphQL, Ruby on Rails, PostgreSQL

Skills: Rapid prototyping, web and mobile UX, technical research, frontend and backend, artificial intelligence, accessible design, Figma, recommendation systems, natural language processing, and human-computer interaction

Interests: Whole-grain Italian cooking, Vice President of Stanford FashionX, editing a published fashion data book