

Tommy Bruzzese

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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 — Machine Learning, Web Applications, Designing for Impact, Natural Language Processing: Languages to Information, Probability for Computer Scientists, Computer Organization & Systems, FEED Lab: Food System Design, and Cross-Platform Mobile Development

EXPERIENCE

Apple, Software Engineering Intern (Compute and Storage Group) Jun 2021 – Present

- Owning design and development of new React/Rails portal to streamline process management for thousands of engineers. Laying technical foundation for multiple other portals to shift to modern UI.

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

- Pitched and executed weekly on 9 novel Vehicle UI ideas for Director and CTO. Iterated designs, de-risked, and shaped development for features able to markedly increase consistency across production vehicle experiences.
- To prioritize needs for internal Supercharging network planning tool, took initiative to conduct 11 UX interviews and achieve alignment with business and engineering managers on 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 Jun 2020 – Sep 2020

Expo is an open-source platform for creating universal apps. Used in over 320k GitHub repositories.

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

Python Algorithm Developer, Showtime, Baby: Movie Recommendation Chatbot Feb 2020 – Mar 2020

- In team of 3, coded chatbot that recommends movies using sentiment analysis of individual preferences and collaborative filtering from a database of thousands of ratings. Directed development of 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.
- Managed specialized product filtering with simple defaults for easy onboarding and strong customer experience.

RESEARCH PUBLICATIONS (Top-Tier Conferences)

Author, Understanding Physical Practices and Role of Technology in Manual Self-Tracking Apr 2020 – Jun 2021

- 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.
- Led development of Amazon Mechanical Turk tasks in JavaScript and built multi-layer survey randomization.

ADDITIONAL INFORMATION

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

Skills: Rapid prototyping, web and mobile UX, frontend and backend development, artificial intelligence, recommendation systems, natural language processing, product vision, and human-computer interaction

Interests: Whole-grain Italian cooking, following hip fashion collabs, current Vice President of Stanford FashionX