

Caleb Ren

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EDUCATION

HARVARD UNIVERSITY

A.B., Statistics, Secondary in Computer Science

GPA: 3.7; Selected Coursework: NLP; Big Data & Machine Learning; Corporate Finance Accounting (MIT Sloan)

Thesis: Motion prediction and trajectory planning of self-driving autonomous vehicle paths (*adv. Alex Young*)

Cambridge, MA

May 2021

SKILLS

Programming Languages: Python, SQL, JavaScript/TypeScript, HTML/CSS, MATLAB, R, Go, Java, OCaml, C

Frameworks and Libraries: React (Material UI, Redux), Mapbox, D3.js, PyTorch, TensorFlow, OpenCV, AWS

Productivity and Creativity: Adobe Photoshop, Lightroom, InDesign, Illustrator, Excel (*adv.*)

PROJECTS

Passable

Sep 2020 – Present

- Coordinate and manage technical project teams to create dashboard for large school districts to conduct digital contact tracing
- Shape organization's high-level product vision, delivery lifecycle, user experience, and feature set as part of founding team

Schedyool

Aug 2020

- Designed and deployed web app for elementary school principals to create student schedules using React, AWS, and AMPL
- Created front-end spec by conducting user interviews to map out end-to-end user journeys

"That's A Mood"

Oct 2018 – Dec 2018

- Implemented database management and systems programming for a public art installation to address student mental health
- Featured in John A. Paulson School of Engineering and Applied Science's quarterly newsletter as a standout CS50 project

EXPERIENCE

Organizm.ai

Product Manager

Seattle, WA

July 2020 – Present

- Managed end-to-end development of automated stock management system from ideation to launch strategy
- Design computer vision algorithm to detect small inventory units using overhead-mounted cameras and computer vision

Goldman Sachs

Software Engineering Intern

New York, NY

July 2020 – Aug 2020

- Built MVP for data validation app using React and React Redux, achieving 200 new users within the first week of release
- Managed launch across 2,000+ Compliance users by developing detailed product documentation and user onboarding flows
- Designed UI/UX by conducting user interviews and beta testing to generate user stories, wireframes, and front-end specification
- Captained team in firmwide coding competition, finishing 3rd place out of 100+ teams based on speed and correctness

EF Education First

Management & Data Science Intern

Boston, MA

May 2019 – Aug 2019

- Analyzed NPS and operating costs across 30+ EF tour products as part of core market development team using R and Python
- Developed inferential models for hotel costs, customer return rates, and other internal metrics to reduce operating costs across 12+ hotel properties using ML techniques such as LASSO/Ridge regression and classification trees

LEADERSHIP

Harvard College Association for U.S.-China Relations (HAUSCR)

President and Director of Technology

Cambridge, MA

Sep 2017 – Sep 2020

- Led 50-member \$1MM non-profit in shaping long-term timelines, identifying and executing objectives and key results, and spearheading organization-wide projects to improve efficiency
- Directed 250+ US and Chinese volunteers and collaborated cross-functionally with technology, education, design, and operations teams to organize 5 global conference programs and research competitions with 15K+ total attendance
- Led organizing team of the largest online summer conference in Chinese history with 120+ lecturers and 1,300+ attendees

Harvard College Consulting Group

Case Team Leader

Cambridge, MA

Feb 2018 – May 2019

- Led 6-person team to develop entry plans for new data storage and servicing offerings for a Fortune 500 tech company
- Advised market entry for clients by analyzing total available market, barriers to entry, and client competencies
- Conducted focus groups and market analyses to determine product offerings, branding strategies, and value propositions for clients with a combined market capitalization of \$5.2T+ since 2016

OTHER ACTIVITIES

Activities: Out in Tech Fellow, Group for Undergraduates in Statistics at Harvard, Phillips Brooks House Volunteer

Interests: Piano, Musical Theater, Environmental Science, Hiking, Nature Photography, Graphic Design