Caleb Ren

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EDUCATION

HARVARD UNIVERSITY   Cambridge, MA
A.B., Statistics, Secondary in Computer Science   May 2021
GPA: 3.7; Selected Coursework: ML & Big Data (Harvard Kennedy School); NLP; Corporate Finance Accounting (MIT Sloan)

PROJECTS

Schedyool   Aug 2020
- Designed and deployed web app for elementary school principals to create student schedules using React, AWS, and AMPL
- Managed 3-person forward deployment team to coordinate launch across 5 New York City elementary schools
- 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

Goldman Sachs   New York, NY
Software Engineering Intern   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

Organizm.ai   Seattle, WA
Product Owner   July 2020 – Present
- Lead team in development of automated stock management and inventory tracking solution from ideation to launch strategy, including go-to-market plans, market segmentation, and positioning
- Design computer vision algorithm to detect small inventory units using overhead-mounted cameras and ML techniques

EF Education First   Boston, MA
Management & Data Science Intern   May 2019 – Aug 2019
- Tracked customer demand across 30+ EF Ultimate Break tour products to identify trends in NPS and operating costs 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)   Cambridge, MA
President and Director of Technology   Sep 2017 – Sep 2020
- Lead 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
- Collaborate cross-functionally with technology, educational programming, design, and operations teams to organize and execute 5 global conference programs with 15K+ total attendance
- Direct 250+ US and Chinese volunteers to provide education resources across the 4 largest Harvard-run conferences and research competitions in Asia, driving 30% of annual Harvard College acceptances from mainland China
- Lead organizing conference team in planning and execution of the largest online summer conference in Chinese history with 120+ seminar leaders and lecturers and 1,300+ Chinese attendees

Harvard College Consulting Group   Cambridge, MA
Case Team Leader   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

SKILLS AND ACTIVITIES

Programming Languages: Python, SQL, JavaScript/TypeScript, HTML/CSS, MATLAB, R, Java, OCaml, C
Frameworks and Libraries: React/React Native (Material UI, Redux), Angular, Mapbox, D3.js, TensorFlow, OpenCV, AWS
Productivity and Creativity: Adobe Photoshop, Lightroom, InDesign, Illustrator, Excel (adv.)
Other Activities: Out in Tech Fellow, Harvard Wine Society Head of Publicity, Phillips Brooks House HARMONY Mentor