

Molly Cantillon

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EDUCATION

Stanford University
CA

Palo Alto,

- B.S. in Computer Science, Mathematics
- *Relevant Coursework:* Programming Abstractions, Mathematical Foundation of Computing, Probability for Computer Scientists, Linear Algebra, Multivariable Calculus and Modern Applications, Differential Equations, Applied Matrix Theory

EXPERIENCE

Retrera – *Software Engineering Intern*

Nov 2021 – Present

- Retrera is a B2B startup (YC W22) helping distributed teams engage their employees by building community, culture and connection
- Implemented platform facilitating offsite retreat booking through flight, hotel and Slack integrations via React JS. Built collaborators module providing enhanced permissions for authorized users.
- Worked through a steep company-wide pivot to incorporate Machine Learning algorithms in better understanding user interactions to drive optimized product decisions.

TreeHacks – *Hackathon Organizer*

Sep 2021 – February 2022

- Stanford's largest annual hackathon bringing together over 1000 of the world's top engineering students to build projects
- Raised 30k in corporate sponsorship

GirlTechBoss – *Co-Founder*

May 2018 – Present

- Hosted EntrepreneurHER, the largest all-female makeathon with partners Tory Burch, Fifth Third, HyperX and RStudio
- Showcase women at the forefront of the tech industry through online interviews amassing 20K views

PROJECTS

CursorAuth

Mar 2022

- Leveraging keystroke dynamics and cursor movements as a means of user authentication
- Trained ML algorithms on keystroke periodicity and cursor latency datasets to detect a true user
- Built an interactive browser game using ReactJS to accompany the model and populate datasets

inSync

Feb 2022 – Present

- Building an “in-house” solution to scheduling with Swift iMessage Extensions
- Anticipated Launch: Apr 2022

WinMachine

Oct 2021 – Nov 2021

- Final Project for Stanford's EE14N: Things about Stuff
- The “winningest” claw machine with autonomous control using image processing, XYZ gantry and Arduino

Newark Academy Capture the Flag (3K+ participants from 73 countries)

May 2020 – October 2020

- Designed a “capture the flag” style cybersecurity competition where students decrypt, hack and reverse-engineer challenges

ADDITIONAL SKILLS

- **Languages:** C++, Python, Swift, Java, HTML/CSS, Javascript, R, SQL, Excel
- **Frameworks:** ReactJS, React Native, GitHub

AWARDS AND RECOGNITION

- Coca-Cola Scholar, Foot Locker Student-Athlete Scholar, SAE Heinz C. Prechter Scholar, TD Bank National Young Hero, NJRSF Naval Science Research Award, Norm Brodsky Business Pitch Competition Winner, NCWIT National Winner, National Merit Commended Scholar, AIME Qualifier, Jane Street FOCUS Attendee