

AMANDA LEE

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EDUCATION

Brown University

Computer Science & Biology

ACT: 35, GPA: 4.0

Providence, RI (2019 - 2023)

- Entrepreneurship Program (co-lead), Women in CS, Hack@Brown, Van Wickle Ventures (executive board), Chinese Association (executive board), IM Volleyball
- Courses: Deep Learning, User Interfaces and User Experience, Linear Algebra, Statistical Inference, Computing Algorithms TA

App Academy

Full-Stack Software Development

San Francisco, CA (Summer 2018)

EXPERIENCE

Software and Data Engineering Intern

HackNY Fellow at Chartbeat (content analytics)

New York City, NY (May 2020 - Aug 2020)

- Reduced the Customer Success team's workload by 9% by building user management and customer support systems into the platform and by introducing administrator capabilities
- Created interactive, customer-facing dashboards displaying user engagement and conversions trends, kicking off a major Q3 project and a new revenue channel for the company

Full-Stack Software Engineer

BuildZoom (marketplace for remodeling & construction, YC '13)

San Francisco, CA (Sep 2018 - Aug 2019)

- I took a gap year to work full-time as a software engineer in San Francisco; my goal was to gain work experience (and life experience!) in the professional world before starting college.
- Sales CRM overhaul — my largest project was rebuilding the sales team's interface, with a pipeline view and advanced filtering/search capabilities powered by Elasticsearch; sales reps spend ~6 hours/day in this tool
- Communications upgrade — integrated CRM notifications with Slack; built a scheduling mechanism for email outreach; these increased initial customer response rates by 14%

Conference Speaker at the International Conference on Big Data and Education (ICBDE)

Investigating Chronological Correlations Between Asthma and Climate Data

Honolulu, HI (Mar 2018)

- Leveraged Watson Analytics and NIH/EPA data to establish correlations between emissions and asthma rates

Cancer Biology Research Assistant

The Scripps Research Institute, The Karbstein Lab

Jupiter, FL (May 2017 - Aug 2017)

- Configured computational models and discovered 2 structural interactions in assembly proteins (Has1/Rrb5/Noc1-2) that link cellular ribosome assembly, advancing understanding of methods to disrupt this pathway in cancerous cells

PROJECTS

Leeway · full-stack web messaging application, inspired by Slack

bit.ly/leeway-git

React/Redux, Rails, Action Cable, AWS S3, Webpack, PostgreSQL

- Implemented Websocket channel subscription via Action Cable, allowing for live message feeds with real-time updating
- Hardened authentication with React Router protected routes, BCrypt password hashing, and model level constraints

Snippet · Chrome extension displaying daily factual "snippets"

bit.ly/snippet-git

JavaScript, jQuery, APIs: Chrome Storage, Reddit, NYTimes, The Oxford Dictionary

- Replaces the Chrome "New Tab" with API-supplied content, providing snippets of easily-digestible information
- Asynchronously stores and retrieves data using Chrome Local Storage, resulting in persistent data

SKILLS

JavaScript, React, Redux, GraphQL, Python, Django, Jupyter, Pandas, Streamlit, Ruby, Rails, SQL, HTML/CSS, RSpec, jQuery, Java