Lily Zhou
Software Engineer

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TOOLS & TECHNOLOGIES

Languages: JavaScript, SQL, HTML/CSS, Python
Technologies: React, Node, Express, Postgres, Git
Analytics: Looker, Chartio, Tableau

PROJECTS

Wildfire Watch (React, Node, Express, PostgreSQL, Jest/Supertest) | Github App
A web application that allows users to view wildfires near them, set location markers, and receive text alerts
- Inherited, refactored, and built new features in web app within a team of four developers
- Managed state transitions using reducer pattern to update user profile, addresses, and alert information
- APIs used: Firebase Authentication, Mapbox, Twilio

Planr (React, Node, Express, PostgreSQL) | Github App ApiDocs
An event management application that helps people track event information and budget items
- Leveraged React Hooks & Context API to manage event, budget item, and user information
- Utilized RESTful JSON APIs in Express to send data to front end application
- Implemented ability to query Postgres database dynamically using Knex.js

Org Chart (JavaScript, HTML, LESS) | Github App
A fully responsive static marketing landing page for a Streemly product

EXPERIENCE

Product Analyst   Mar 2018 – Jun 2018
Udemy, Decision Science Team | San Francisco, CA
- Supported course discovery product management teams with ad-hoc analysis—such as tracking website feature usage and analyzing A/B experiments—using SQL and R

Data Analyst   Mar 2017 – Feb 2018
Talkdesk, Product Team | San Francisco, CA
- Implemented ETL pipelines with Data Engineering for major product launch. Transformed event log data into reportable metrics for customer billing and product adoption analytics
- Managed data integration, data modeling, and debugging of analytics software, Looker

Operations Analyst   Jun 2015 – Jul 2016
Instacart, Catalog Team | San Francisco, CA
- Reduced manual data entry costs and turnaround time of store launches by ~40% through automating data cleansing and manipulation of vendor inventory data using Python and SQL
- Improved gross margin per delivery by $0.45 by developing intelligent catalog pricing algorithm based on shopper data signals
- Launched retailers and managed client relationships for 18 vendors, including Costco and CVS

EDUCATION

Lambda School | San Francisco, CA   May 2019 – present
- Immersive, 7-month full-stack web development program

Northwestern University | Evanston, IL
- Bachelor of Arts in Environmental Sciences; Minor in Global Health   Graduated 2014
- Study Abroad, Public Health & Development at Stellenbosch University, South Africa   2013