

# Lily Zhou

## Software Engineer

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## TOOLS & TECHNOLOGIES

**Languages:** JavaScript, SQL, HTML/CSS, Python

**Technologies:** React, Node, Express, Postgres, Git, Jest/Supertest

**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 app within team of three developers and a UX designer
- Managed state transitions using Redux-like reducer pattern to update user and location information
- Enabled SMS notifications of nearby fires through Twilio API and map pop-ups through Mapbox API

### Planr (React, Node, Express, PostgreSQL) | [Github](#) [App](#)

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 Streamly product

## EXPERIENCE

### Product Analyst

Udemy, Decision Science Team

Mar 2018 – Jun 2018

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

Talkdesk, Product Team

Mar 2017 – Feb 2018

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

Instacart, Catalog Team

Jun 2015 – Jul 2016

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