

# Alison Chan

Detroit, Michigan  
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<https://alisonc.net/>

## SUMMARY

I'm a full stack developer who enjoys building shiny, performant, well-tested web apps and the teams and processes around them.

## EXPERIENCE

### Thinkful (Chegg Learning Services) – Software Engineer

October 2019 - March 2020

Full stack web developer on an e-learning platform used by hundreds of educators and thousands of students (React, Flask, SQLAlchemy, PostgreSQL)

- Increased educators' visibility of student progress by implementing new dashboard design
- Implemented reusable UI components with React according to accessibility standards
- Implemented and released live help widget PoC as part of an UX experiment aimed at improving student outcomes
- Worked closely with stakeholders to iterate on front end design and behavior
- Collaborated with infrastructure pod on local development environment improvements
- Released features behind feature flags in a continuous delivery environment
- Implemented repeatable database migrations with Alembic to improve deployment process

### Detroit Labs – Software Developer

August 2018 - August 2019

Full stack web developer on a metrics dashboard for a chain of hundreds of refrigerated warehouses across the US (TypeScript, Node, React, PostgreSQL, Redis)

- Enhanced navigation between facilities by implementing new multi-level nav menu sorting facilities into regions
- Paired with other developers to onboard them and assist in debugging
- Implemented smoke tests and improved caching in a Node and hapi.js based middleware
- Improved team productivity by creating a CI task to automatically free up worker disk space
- Maintained database workers written in Python
- Enforced voting rules on a public-facing web app (<https://littlelibraryprize.org>) with Firebase Cloud Functions
- Created an Ansible playbook to provision a Linux continuous integration worker
- Member of the Diversity & Inclusion and Interview Standardization Workgroups

### X by 2 – Consultant I

October 2015 - August 2017

Software developer consultant in the insurance industry (Guidewire ClaimCenter, Java, Apache Camel)

- Simplified and improved error handling in Apache Camel-based document integration middleware for an insurance claims system handling 300,000 claims and 2 million documents annually, resulting in fewer system errors, improved performance, and easier troubleshooting
- Improved performance and user experience within the constraints of a legacy COTS front end application

## GitHub

alisOnc

## GitLab

alisOnc

## OpenStreetMap

alisonc42

## LinkedIn

/in/alisonc42

## SKILLS

### Web Development

HTML, CSS, Sass, Styled

Components, React, Redux, Jekyll

### Programming Languages

TypeScript, JavaScript, Python,  
Shell scripting, Java

### Databases

SQLAlchemy, PostgreSQL, Redis,  
SQL Server

### Infrastructure

Alembic, Jenkins, Travis-CI, GitHub  
Pages, Docker, Firebase

- Led feature-level design review and code review discussions
- Worked closely with external vendors and other business departments to troubleshoot production errors

## PROJECTS/VOLUNTEERING

### **What is this week's Torah portion? – *Developer***

2018

(<https://github.com/alis0nc/whatisthisweekstorahportion>) Microsite which presents information on this week's Torah portion in a minimalist format. Uses the Hebcal API

### **Penguicon – *Head of Logistics***

2016 – 2019

Head of Logistics for a 1700-member local open source / DIY / science fiction convention