

# Alison Chan

## Farmington Hills MI

res@alisonc.net • Email for phone number • alisonc.net • github.com/alisonc

Generalist software engineer with a track record of producing clean code, eliminating technical debt, and digging into complicated problems spanning multiple systems. Seeking a challenging software engineer position with opportunities to learn new technologies and advance to senior technical roles.

### Professional Experience

#### X by 2

Software Engineering Consultant

Farmington Hills MI  
October 2015 – August 2017

- **Client engagement: Claims System for Fortune 500 P&C insurer**
- Reengineered Java EE/Apache Camel/Spring document management integration code for cleaner data model and better fault tolerance. This led to fewer errored documents, improved performance, and easier troubleshooting.
- Configured COTS application front end with vanilla JavaScript and Gosu code, resulting in document viewing performance improvements for end users.
- Led design review, code review, and data model discussions.
- Troubleshooted integration errors, working closely with external vendors and other departments in the client organisation. Performed data fixes and code hotfixes in the production environment.
- **Internal consulting project: Applicant Tracking / HR System**
- Worked with X by 2 principals to determine requirements for a cloud based applicant tracking and HR administration system to replace various home-grown applications.
- Researched and contacted potential vendors for requirements analysis and demos with stakeholders.

#### Kettering University

Department of Computer Science : Research Assistant

Flint MI  
April 2013 – June 2015

- Configured OpenFlow software defined networking switches for Kettering's Laboratory for Advanced Network Applications and developed and tested OpenFlow controller applications.

#### Kettering University

Department of Customer Service & Programs : Student Caller

Flint MI  
July 2012 – September 2015

- Invited prospective students to Kettering open house events and followed up with postcards and phone calls after those events.

#### Livio

Software Engineering Co-op

Ferndale MI  
September 2012 – December 2012

- Developed iOS apps and backend network code for sales demonstrations.

#### New Eagle

Software Engineering Co-op

Ann Arbor MI  
October 2010 – June 2012

- Created HMI applications for embedded display hardware and PC applications to calibrate electronic control modules.
- Worked with product managers to evaluate products being considered for distribution.

### Volunteer Experience

#### Penguicon

Head of Logistics

Southfield MI  
December 2015 – present

- Oversaw the annual process of inventorying the property of a 1600-attendee open source/science fiction/DIY convention.
- Coordinated the transportation of convention property between the storage location and the convention venue.
- Directed volunteers in load in and load out procedures.

### Skills

- **Programming languages:** Java; Python; Gosu; JavaScript;  $\LaTeX$ ; C#
- **Frameworks:** Apache Camel; Spring Web Services
- **Databases:** MS SQL Server
- **Operating systems:** Linux (desktop & embedded); Windows
- **Networking:** Ubiquiti EdgeOS and UniFi platform; TCP/IP
- **Workflow:** git; GitHub; JIRA; AccuRev; bash script

## Education

### Kettering University

*Coursework completed for dual degree BS Computer Science / BS Computer Engineering*

- Systems and Data Security concentration
- International Studies minor

Flint MI

2010 – 2015