

Alison Chan

Farmington Hills MI

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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

Farmington Hills MI
October 2015 – August 2017

Software Engineering Consultant

- **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

Flint MI

Department of Computer Science : Research Assistant

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.

New Eagle

Ann Arbor MI

Software Engineering Co-op

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

Southfield MI

Head of Logistics

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.

Projects

- **psoaas** (<https://github.com/alis0nc/psoaas>): A web service wrapper for the PDF file size optimiser pdfsizeopt.

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

Flint MI

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

2010 – 2015

- Systems and Data Security concentration
- International Studies minor