

Alison Chan

Farmington Hills MI

res@alisonc.net • Email for phone number • alisonc.net • github.com/alis0nc

Software engineer generalist with a track record of producing clean code, eliminating technical debt, and digging into complicated problems spanning multiple systems. Seeking a challenging technical track position with opportunities to learn new technologies and tools.

Professional Experience

X by 2

Software Engineering Consultant

Farmington Hills MI
2015 October – 2017 August

- **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
2013 April – 2015 June

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

New Eagle

Software Engineering Co-op

Ann Arbor MI
2010 October – 2012 June

- 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.

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

Flint MI
2010 – 2015

- Systems and Data Security concentration
- International Studies minor