

## Alison Chan

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### Summary

Software engineering 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** Farmington Hills MI  
*Software Engineering Consultant* 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.
  - Troubleshot 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* 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** Ann Arbor MI  
*Software Engineering Co-op* 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.

### 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

### Skills

- **Programming languages:** Java; Python; Gosu; JavaScript;  $\text{\LaTeX}$ ; 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