

Tristan Amini

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EDUCATION

UNIVERSITY OF WATERLOO
SYSTEMS DESIGN ENGINEERING
Class of 2018

LINKS

Github: github.com/Tamini

LinkedIn: [linkedin.com/in/tamini](https://www.linkedin.com/in/tamini)

PROGRAMMING

Language | Familiarity

Java	+++++
Bash	+++++
C++	++++
Assembly	+++
Go	+++
LaTeX	+++
JavaScript	+++
CSS	+++
HTML	+++
OCaml	+++
Scala	+++
SQL	+++
Chef	++
Ruby	++
Python	++

Tool | Familiarity

Git	+++++
gdb	++++
Maven	++++
Jenkins CI	++++
Android	+++
AngularJS	+++
SBT	+++
SolidWorks	++
VisualStudio	++

WORK EXPERIENCE

IBM | OPEN SOURCE COMPILER DEVELOPER

May 2015 - August 2015 | Markham, ON

- Ported the Ruby sourcerpm to Z.
- Ported the OCaml compiler and runtime to the Z Architecture.
- Wrote relocation types for the Go linker to work with Z.
- Added a lot of code to the Go Assembler for Z.

INTERSET | SOFTWARE ENGINEER

September 2014 - December 2014 | Ottawa, ON

- Built administration pages for use internally and by customers using JavaScript, HTML and CSS.
- Wrote bash script to allow for automatic OVA creation for customer deployments of software bundle.
- Created Scala application to read and anonymize millions of data entries.
- Fixed a Windows registry related bug in the company's agent using C++.
- Maintained and set up a Hadoop/HBase/Spark installation.
- Wrote many Maven and SBT files to package builds and deploy them to internal Artifactory server.

POLAR | DEVOPS

January 2014 - April 2014 | Toronto, ON

- Set up easily recreatable and destroyable virtual machines using Chef, Knife and vSphere.
- Created MySQL dump scripts in Python and SQL that run daily using cron.
- Maintained and added to a suite of Selenium tests for Polar's MediaVoice.
- Set up unit testing and linting for the various Chef cookbooks.
- Wrote an IRC bot in Python to help coordinate users and add useful features to the IRC chat.

OPEN SOURCE WORK

JENKINS CI | CONTRIBUTING COMMUNITY MEMBER

March 2014 - Present | www.jenkins-ci.org

- Fixed a bug in the Cobertura plugin which required use of Java and Maven.
- Updated the Jira plugin to use a better method for building strings.
- Added unit tests for new features to prevent regression.

PAST EMPLOYERS

INTERSET

"Tristan was keen to gain exposure to every aspect of software development and he demonstrated an exceptional ability to very quickly become productive with new technologies."

- Michael Iles | Dev Lead

PERSONAL PROJECTS

ANTICHESS | CHESS GAME

2012 - 2013 | github.com/Tamini/AntiChess

Created a chess game with a custom made AI. AI implemented alpha-beta pruning and depth-first search to find the best moves.

UW COURSE APP | LIST, RATE AND COMMENT ON UW COURSES

November 2013 | github.com/Tamini/UWCourseGooseRepo

Wrote the Java and SQL backend for an android app that allowed for viewing and rating University of Waterloo courses.