

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++	++++
Go	+++
Assembly	+++
LaTeX	+++
OCaml	+++
Scala	+++
SQL	+++
R	+++
Python	+++
CSS	+++
HTML	+++
JavaScript	++
Chef	++
Ruby	++

Tool | Familiarity

Git	+++++
Jira	++++
gdb	++++
Maven	++++
Jenkins CI	++++
Eclipse IDE	+++
Android	+++
AngularJS	+++
SBT	+++
SolidWorks	++

PAST EMPLOYERS

Interaset

"...he demonstrated an exceptional ability to very quickly become productive with new technologies."

- Michael Iles | Dev Lead

WORK EXPERIENCE

IBM | OPEN SOURCE COMPILER DEVELOPER

May 2015 - August 2015 | Markham, ON

- Developed the OCaml compiler and runtime for the Z Architecture.
- Wrote relocation types for the Go linker to work with Z.
- Worked on the Go Assembler for Z.
- All of the above required x64, ppc and Z Assembly.
- Ported the Ruby SourceRPM to Z.

INTERSET | SOFTWARE ENGINEER

September 2014 - December 2014 | Ottawa, ON

- 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.
- Setup data stack on AWS machine.
- Built web pages for use internally and by customers.

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.

PERSONAL PROJECTS

ANTICHESS | CHESS GAME

2012 - 2013 | [ithub.com/Tamini/AntiChess](https://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 | [ithub.com/Tamini/UWCourseGooseRepo](https://github.com/Tamini/UWCourseGooseRepo)

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