Christine J. Tang *July 4, 1998*

Last update on June 14, 2017

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Summary

As a self-motivated individual pursuing simple quality over quantity in a fast-paced world where shipping buggy code is secondary to reducing tech debt, I enjoy working and communicating with a team who share my values.

Education

Rensselaer Polytechnic Institute — Troy, NY

Computer Science, Math (BSc) – Economics Minor **– 3.8/4.0** *May 2019*

Experience

Language Endowed Intelligent Agents Laboratory (LEIA) — Troy, NY

Research Assistant & System Administrator *Feb '17 – present*

Ubuntu Linux, Bash shell/scripts, Python, git, svn

- Implemented Ubuntu Linux server data migration remotely using Bash shell to better distribute server payload, increase server security, and expand storage space
- Worked with senior sysadmins to reimage corrupted central server from backups
- Configured and wrote bash scripts to automate user account maintenace and to restart laboratory tools and scripts on server restarts

General Language Syntax (GLS) – Microsoft/RCOS Project

Collaborator *Feb '17 – present*

Typescript, C#, Python, git

- Worked with a Microsoft FTE to streamline the core command rendering engine driver
- Designed and implemented prevention of banned keywords for parameter variable names
- Increased functionality to GLS libraries for conversions to various object-oriented languages.

Wikipedia Philosophy Crawler

Personal Project *Winter '16*

Python, Beautiful Soup 4

- Designed and completed a Python script using a HTML parser to automate crawling through Wikipedia articles until the Philosophy page is reached.
- Scraped pages for hyperlinks, and used regex to remove those italicized or in parentheses
- Implemented features such as avoiding possible repeats by storing visit history in Python dictionary and including the option of specifying a starting page or start randomly

VEX Robotics

Team Leader & Member *Summer '15 – Fall '15*

RobotC, Arduino IDE, git

- Led a team of 3 to build and code an autonomous robot to navigate through corridors using magnetic and proximity sensors
- Led a team of 5 to construct and maintain a controlled-robot to play a version of basketball
- Designed the underlying code base for the VEX competition with a team of 3

Honors & Awards

Dean's Honor List: Fall 2016 & Spring 2017
Rensselaer Leadership Award
Rensselaer Recognition Award

Interests

Non-exhaustive and in alphabetical order: bouldering, chess, running, violin, wargames (CTF)