Christine J. Tang *July 4, 1998*

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Summary

Self-motivated starter who believes in pursuing quality over quantity in a fast-paced world where quality is often secondary to shipping code.

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*
- 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 dependencies on server restarts

General Language Syntax (GLS) – Microsoft/RCOS Project
    Collaborator   *Feb '17 – present*
- Worked with a Microsoft FTE in **Typescript** to streamline the core command rendering engine driver
- Designed and implemented prevention of banned keywords for variable names
- Increased functionality to GLS libraries for conversions to various object-oriented languages.

Wikipedia Philosophy Crawler
    Personal Project   *Winter '16*
Made it a personal challenge to use **Python** to access and pull information from the Internet. Around this time, I was introduced to the Wikipedia Philosophy phenomenom: clicking the first non-italicized hyperlink not in parentheses on a page and all subsequent ones, will ultimately yield the Philosophy page. Confronted by the difficulty of not having written Python script before, I soon found out that entire libraries existed for people in my predicament. I ended up using the **Beautiful Soup** HTML parser library, which took care of extracting the Wikipedia page's source code for me to parse. I used regular expressions to remove hyperlinks italicized and enclosed in parentheses, and continued the search on the first valid hyperlink. I stored the past history in a hash table to prevent loops, and output the current page the crawler was on for the user's viewing pleasure.

Skills

Technical expertise:

Natural languages: English *(fluent)*, Chinese *(fluent)*, French *(elementary proficiency)*.

Interests

Non-exhaustive and in alphabetical order: bouldering, rock-climbing, self-development, violin, wargames

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Honors & Awards

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