Duy Dinh T.

Phone: (512)-893-9661
Email: defduydinh@gmail.com
Git: dtd170004

EDUCATION

University of Texas at Dallas Anticipated graduation: May 2021

Major: Computer Science - Cybersecurity / Information Technology GPA: 3.40

SKILLS

Programming: C++, Java, JavaScript, Python, LaTeX.
Libraries: Python Requests, JSON; C++ Inotify, TCLAP, Lex, Bison.
Additional skill: Bilingual, fluent in English and Vietnamese.
Experienced with computer hardware assembly and quick system diagnostic.

PROJECTS

Financial Data Calculation and Analysis Jan 2020 - Present
Personal Project

- Successor of 10-K Data project. A different approach to acquire and compute data for company financial filing. Previous project has flaws of inconsistence between company's reports and extracting data takes too long or timed out on a regular basis.
- Project utilizes Yahoo Finance API from Rapid-API to acquire bulk data of a company financial status. Finance API returns a JSON package for script to extract and store important data.
- The project utilizes JSON and Requests for majority of communication between script and Rapid-API server. Mathematical operations are performed locally to obtain important financial data.

10-K Data Extraction for Data Analysis Jun 2019 - Aug 2019
Personal Project

- A simple Python script to extract data from 10-K data from company's financial report.
- The script extracts data using BeautifulSoup library. It first parse the PDF, then find certain keywords and the subsequent data. Data are then computed to form a comprehensive set of data for analyzing company financial status.
- The project utilize BeautifulSoup to perform majority of large data parsing.

Daemon Information Logger Apr 2019 - May 2019
UNIX Class

- Create a daemon, a background process, to monitor and log actions in a watch-folder.
- The process can operate as a parent and output real-time actions to console and record the output in a log directory. With a daemon option, the parent process creates a child process and self-terminate. The child process is now a daemon with the responsibility of watching a directory and logging actions. Daemon will terminate if the user sends a SIGNAL to force terminate or safely terminate.
- The project utilizes Inotify kernel subsystem to wake up daemon and begin logging informations. The fork and exec commands in C are used to create a daemon child from the parent process.

ACADEMIC ORGANIZATION

UT-Dallas Computer Security Group.