ANDREW TSENG

andydomokun@gmail.com ⋄ github.com/teeseng ⋄ linkedin.com/in/teeseng

EDUCATION

University of Texas at Austin   **Expected Gradution: December, 2018**
Bachelor of Science in Computer Science, GPA: 3.4

WORK EXPERIENCE

Vast.com   Summer, 2017
Product Developer Intern   **Austin, TX**
· Worked with a team of 5 other interns in developing a side product for Vast.com
· Utilized Vast.com's Carstory data to make a webpage to list out car information for a used car pop-up.
· Worked with other UX designers in designing posters/online ads to promote the car pop-up product.

Compal Electronics   Summer, 2016
Software Engineer Intern   **Taipei, Taiwan**
· Rewrote developer admin database pages into templates and added management features.
· Developed sanity tests to help with continuous integration to help find bugs in the in-house API.
· Debugged and refactored MongoDB schema for new category of data in database.
· Researched IoT concepts/protocols for R&D for potential uses on new products.

Teaching Assistant for Discrete Mathematics   Spring 2016, 2017
Dr. Bill Bulko, University of Texas   **Austin, TX**
· Led discussion sections that reviewed topics of the weekly lectures.
· Helped grade weekly homework and developed homework and midterm/final problems.

PROJECTS

Type Inference in C   **December 2017**
· Implemented type inference features in C with the **auto** keyword.
· Created symbol table and file rewrite in replacing auto keyword to correct type.
· Rewrites the auto keyword to the type that it infers based on the C-program.
· Test scripts in Bash to make find corner cases along with string parser that finds lexes within the input program.

Linux Kernel   **September 2018**
· Developed a linux kernel in C++ that handles heap, threads, concurrency tools, virtual memory and filesystem.
· Created test cases to test and verify individual portions of the kernel.
· Developed script that automates testing and presents results onto a UTCS student website.
· Designed threading system in intention to prevent deadlocking and manage re-entrant functions.

Reddit Match Scraper   **July 2018**
· Reddit bot scraper that scrapes a subreddit in order to find pro NBA match results.
· The scraper presents the results of the match and the top relevant comments within the match thread.
· Script is written in Python using the praw library.

LANGUAGES AND TOOLS

Experience : Python | Javascript | Linux command line | C/ C++
Familiar : MySQL | Java | R | MATLAB | Verilog | LaTeX | Docker | Google Cloud Platform

RELEVANT COURSEWORK

Computer vision | Information retrieval | Advanced Computer Architecture
Operating Systems | Data Mining | Algorithms | Programming Languages.