

Larry Liu

☎ 6468783123 | ✉ larryliucs1996@gmail.com | 🌐 <https://laliucs1996.github.io/LarryLiu/> | 📱 laliucs1996 | 📺 larry-liu-d1996

Education

SUNY at Stony Brook University

Stony Brook, New York

B.S. IN COMPUTER SCIENCE

Aug. 2014 - May 2018

- Cumulative GPA: 3.43/4
- Obtained Presidential Scholarship every year, given to incoming students with merit as long as they maintained a respectable GPA.

Experience

Single Stop USA Inc

New York City, New York

COMPUTER SCIENCE INTERN

May 2016 to August 2016

- Maintained Single Stop's homepage and made style and optimization changes, an example being decreasing loading times.
- Corrected errors on the site with JavaScript, primarily focusing on those occurring between the website and the Google Maps API.
- Implemented version control on the company website through Git.
- Mentored by supervisor on ES6 and core JavaScript concepts.

Projects

Language Parser and Compiler:

Python 2.7, PLY (Python Lex-Yacc)

PYTHON APPLICATION

Finished

- Built a Python compiler that utilized an obscure library, "Lex-Yacc", which was designed to separate code into snippets and then making a code tree, leading to easier parsing and then compiling.
- The compiler uses recursive regex functions to parse large blocks of code so end-users could insert chunks of code and then print the results.
- The application was able to comprehend common data structures, conditional statements, type primitives and common operators.

Spruce

Java, JQuery, JavaScript, Ajax, Python, SQL

WEBSITE

Finished

- Led a team to create a Movie and Television Reviewing website modeled after Rotten Tomatoes.
- There was a reviewing and rating system that allowed users that have logged in to comment and rate the television shows or movies that they watched.
- Any user can search or scroll through the movies or television shows to view their descriptions, average ratings, and reviews made by other users.

UTF Converter

C

C APPLICATION

Finished

- Built a C application using bit manipulation to convert UTF-8 encoding to UTF-16, encodings that represent different symbols such as ASCII characters, and vice versa, to change from different architecture types easily.
- The application was built completely from C code without the assistance of libraries making it necessary to understand bit-wise manipulation.

Aletheia

Python, TensorFlow, TFLearn

DISCORD APPLICATION

Finished

- Aletheia is a chat-bot that talks about the Twelve Olympians on Mount Olympus. The ultimate goal of this bot is to transition it into a discord chat-bot.
- The bot describes the gods or goddesses and can react intelligently to users when asked questions using TensorFlow and TFLearn.

Skills

Proficient Python, JAVA, SQL

Knowledgeable C, JavaScript, PHP

Other JQuery, Ajax, JSTL, Pandas Framework, React, Bootstrap, Git