

Shilong Li

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EDUCATION

Stony Brook University, Stony Brook, New York

Expected May 2021

Bachelor of Science in *Computer Science*

GPA: 3.14

Relevant Coursework: Data Structures, Software Design, Database System, Analysis of Algorithms

PROJECTS

Frugal_ml

May 2019 – Present

Python, Java—Deep learning program that does image recognition and malicious URL detection on Android devices. Worked with Professor Amir Rahmati and two other PhD students in a team of four.

- Trained multiple models for image recognition and evaluated their performances.
- Used ADB commands and monitored Android devices performance status, and the four monitor properties are CPU, Memory, Battery and Temperature.
- Collected data and drew graph to find the tradeoffs to improve performance.

Course Site Generator

August 2018 – December 2018

JavaFX—Desktop application that builds custom college course pages and exports to HTML.

- Designed user interface and implementing fool-proof functions to guide the users.
- Built functions that converts user's inputs into json objects and loads them as inputs.

Online Stock Trading System

February 2019 – May 2019

MySQL, HTML, Java—A stock managing web application with a database storing stocks', customers', and employees' information.

- Designed queries for transactions in MySQL and linked them to the web user interface.

Discord Chat Bot

September 2018

Node.js—A highly customizable chat bot for acquiring information, playing music and autoreplying.

- Developed functions for the bot to log on to voice channels and interact with users.
- Employed APIs to return information about flight schedule and weather.

EXPERIENCE

Kidoyo

February 2019 – Present

Mentor for computer science

- Taught more than 30 students programming inside the classroom and tutored students on their projects.
- Analyzed more than 200 students' proficiency level and gave feedbacks on projects.

Stony Brook University

Research Assistant at Ethos Lab - Principal Investigator: Amir Rahmati

May 2019 – Present

- Worked on Machine Learning related projects with a weekly presentation in a team of four.

Tutor/Teaching Assistant for Foundation of Computer Science

January 2019 – May 2019

- Taught more than 50 students in a weekly class and graded project and exams for 200 students in collaboration with other course assistants.

SKILLS

Technical Skills

- **Proficient:** Java, Python
- **Prior experience:** C, C++, JavaScript, HTML, MySQL, CSS, XML

Language Skills

- Chinese (native), English (full professional proficiency, ILR scale).