

## Shilong Li

Email: shilong.li@stonybrook.edu

Mobile: (218)-731-7513

[www.linkedin.com/in/shilong-li-138006170/](http://www.linkedin.com/in/shilong-li-138006170/)

[github.com/slljack](https://github.com/slljack)

[shilongli.com](http://shilongli.com)

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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—Stock trading WebApp with the database designed with MySQL runs on Tomcat.

- 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++, Linux/Unix, MySQL, JavaScript, HTML, CSS, XML

### **Language Skills**

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