

# PHILIP LING

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# SOFTWARE DEVELOPER

[Github Profile](#)

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## SKILLS

**Frontend:** JavaScript -- React / Redux -- HTML5 -- CSS3 -- Pug

**Backend/Server:** Python -- PostgreSQL -- Flask -- Express.js -- Sequelize / SQLAlchemy (Object-relational mapping)

**Tools:** Node.js -- Git -- Github -- Heroku -- Docker -- APIs -- GraphQL

## TECHNICAL EXPERIENCE & PROJECTS

**App Academy** - "Hacker In Residence" / Technical Admissions Assistant

May 2021 – Present

- Leads 1-on-1 technical meetings and weekly study sessions for > **50** program applicants to provide individualized support for entry assessments on computer science fundamentals including **HTML/CSS, Git, Boolean Algebra**

**Higher/Lower (Spotify Edition)** (JavaScript, React, GraphQL, HTML5, CSS3)

[Live Site](#) | [Github](#)

A higher lower game based on the Spotify popularity score of the top 50 tracks

- Spearheaded a team goal of implementing **GraphQL** with **Stepzen**, optimizing runtime and data retrieval from the Spotify **API**
- Utilized **React hooks** and local storage to maintain game state and track current and career high scores for enhanced **UI/UX**

**Meadium** (JavaScript, Express, PostgreSQL, Sequelize, HTML5, CSS3)

[Live Site](#) | [Github](#)

An online publishing platform where users can come together and talk about all things alcoholic

- Utilized **AJAX** fetch calls to the **PostgreSQL** database in order to dynamically update the story's comments without page reload
- Incorporated **Bcrypt** for password hashing to provide user authentication and security across product functionality
- Implemented **csrf** and **cookie-parser packages** in order to generate a token that would be passed through each form submission for validation to prevent cross-site attacks

**OpenBook** (JavaScript, Python, React, Redux, PostgreSQL, Flask, SQLAlchemy, HTML5, CSS3)

[Live Site](#) | [Github](#)

An online, interactive learning platform where teachers can assign flashcards to their students

- Implemented a **Redux** store to persist user data and authorize the use of login functionality within the website
- Created an engaging **UI / UX** and landing page using **react-animations** and styled **components**, focusing on primary school, end user requirements and business needs
- Leveraged **Flask-SQLAlchemy** to create **many-to-many** relationships between models, allowing for **assignment** and **deck customization** features

## EDUCATION

**App Academy** - Full Stack Web Development (JavaScript & Python)

New York, NY 2020 - 2021

- Relevant coursework & experience includes: Object Oriented Programming (OOP), Test Driven Development (TDD), Systems Design & Architecture, Scalability, Agile/SCRUM Methodologies, Team Projects, Pair Programming, Data Structures/Algorithms

**New York University** - (Relevant Coursework: Intro to Python, Economics)

New York, NY 2013 - 2015

## ADDITIONAL EXPERIENCE

**Front End Manager** - Formosa Chinese Restaurant

January 2016 – August 2019

- Compiled **daily** monetary reports and records to ensure accounting **accuracy** while also training and supervising wait staff in a **fast paced, high-pressure** environment, prioritizing **morale, high-quality, and customer satisfaction**

**KUMON Learning Center** - Chief Assistant

July 2010 – August 2013

- Enhanced student growth by leveraging an **informational database** to track progress and maintain data integrity for >**70** students, including training and onboarding of new employees to maintain overall business **quality** and **performance objectives**

## LEADERSHIP ACTIVITIES

**Showered with Hope, Inc.** - Co-Founder | Director of Fundraising

Aug 2014 – June 2015

- Organized a queue of events for our team to raise **\$10,000** functional revenue focusing on empowering individuals experiencing homelessness to achieve self-sufficiency by providing access to resources.

**NYU Chinese Student Society** - Social & Public Relations Chair | Secretary

October 2013 – May 2015

- Promoted Chinese culture to **300+** members by planning and executing **15+** on-campus student events through collaboration with an executive board and creation of a marketing press kit, raising over **\$7000** for charity