

Zachary Lin

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EDUCATION

New York University, B.A. Computer Science, GPA 3.4 — 2018

Areas of Focus: Algorithmic Problem Solving, Applied Internet Tech, Large Scale Web Applications, Database Design, Operating Systems, Computer Systems Organization, Social Networking

Waseda University, Study Abroad — 2017

Areas of Focus: Comprehensive Japanese, Empathetic Conversation, Honorific Expressions for Communication

SKILLS

Programming Languages: Java, Javascript, C/C++, Python

Frameworks and Libraries: ReactJS, Redux, AngularJS, Three.js

Database Languages: MySQL, MongoDB

Tools: Git, Github, IntelliJ, Eclipse, Microsoft Visual Studio, Pega

Languages: English, Chinese, Japanese

PROJECT & RESEARCH EXPERIENCE

Discord Bot

- Programmed a discord bot in Javascript hosted on Amazon Web Services.
- Capable of custom commands, recording user information in dynamoDB, and reward distribution.

Dungeon Crawler

- A browser roguelike dungeon crawler coded in Javascript.
- Uses ReactJS for the UI and state and Redux for state management.
- Player input in the browser controls the character to interact with entities on the grid. Further interactions such as weapon changing can be done through the mouse.

Music Visualizer

- A browser music visualizer created with Three.js.
- Animations are rendered based on the frequencies of the audio file inputted. Using orbit controls, the user can scroll in/out and move the camera around in the scene.

Multiplayer Piano Clone

- A browser site where people can play the piano and chat together in real time.
- Uses AngularJS for the front end and WebSocket to maintain a TCP socket communication between the client and server.

WORK EXPERIENCE

Translator, SANY Media, New York, June 2014 – February 2017

- Part-time English to Chinese translator.
- Responsible for looking over the final documents done by other translators and editors.

EXTRACURRICULAR ACTIVITIES

Clubs: Karate, Micromouse

Volunteer Work: HackNYU Hackathon event - February 2017

Hobbies: Travelling, Piano, Reading, Video Games