

# Alvin Lin

## Software Engineer

Highly-skilled software engineer with more than 4 years in software design, development, and integration. Extremely proficient with JavaScript and Python. Skilled at project management and team coordination. Seeking an internship as a software engineer.

 alvin.lin.dev@gmail.com

 (718) - 801 - 9971

 [www.github.com/omgimanerd](https://github.com/omgimanerd)

 <http://omgimanerd.tech>

## Work Experience

02/2014 - Present

Queens, NY

### Teacher/Mentor

#### RoboMindTech

STEM school and robotics education center

*Tasks/Achievements*

- Mentored First Lego League (FLL) and World Robot Olympiad (WRO) robotics teams.
- Created robotics education content for distribution in Singapore and Taiwan.
- Taught cryptography, web security, web design, game design, HTML, CSS, JavaScript, Java, Python, and Processing.

Contact: Dennis Chan - robomindtechresearch@gmail.com

06/2014 - 09/2015

Manhattan, NY

### Software Engineer Intern

#### School Yourself, Inc

<https://schoolyourself.org>

*Tasks/Achievements*

- Developed interactive widgets using JavaScript for geometry curriculum consumed by over 55,000 people in more than 100 countries around the world.
- Integrated educational content with commercial Learning Management Systems using the Learning Tools Interoperability (LTI) standard.

Contact: John Lee - jjl@google.com

02/2014 - 02/2015

Manhattan, NY

### Vice President

#### Stuyvesant High School Robotics

FIRST Tech Challenge (FTC) Team 310

*Tasks/Achievements*

- Oversaw the programming of the robot, management of the team code base, and training of the new members.
- 2014: Won the FTC Think Award and PTC Design Award
- 2015: Won the Finalist Alliance Award, 3rd Place Inspire Award, PTC Design Award, and Winning Alliance Captain Award

## Education

09/2012 - 06/2016

Manhattan, NY

### High School Diploma

#### Stuyvesant High School

08/2016 - Present

Rochester, NY

### Computer Science Major

#### Rochester Institute of Technology

## Skills & Competences

Responsive Front-end Design

Back-end Design and Infrastructure

API Design and Usage

Database Management

Debugging and Problem Solving

Communication and Team Management

Project Deployment and Scaling

Robotic Design and Programming

Algorithms and Data Analysis

UI/UX Design

## Achievements

### World Robot Olympiad 2014

Won nationals and competed internationally in Sochi, Russia

### World Robot Olympiad 2015

Won nationals and competed internationally in Doha, Qatar

### PennApps XIII - Plaid Prize Award

Award for creating a 3D sword fighting game using a smartphone connected to a web browser in 36 hours.

### defhacks() 2015 - Best Game

Award for creating a multiplayer PvP tower defense game in 24 hours.

### Big Red Hacks 2016 - Best UI/UX Design Award

Awarded for creating a polished sustainability-themed game in Unity.

## Personal Projects

### markov-music

- Procedurally generated music using first-order Markov chains.

### nycurl

- News fetching application optimized for use in Terminal. curl <http://nycurl.sytes.net>

### Bouncy Square

- Published Android game available here: <https://goo.gl/AdgCSM>

### Tank Anarchy

- Multiplayer tank battle game implemented using web sockets on top of a node.js backend. <http://tankanarchy.herokuapp.com>

## Interests

Video Game Development | Amateur Rocketry | Robotics |

DIY/Wearable Electronics | Puzzle Solving | Music Composition