

Alvin Lin

Full Stack Web Developer

Highly-skilled software developer bringing more than 4 years in software design, development, and integration. Extremely proficient with JavaScript and Python. Skilled at project management and team coordination.

✉ alvin.lin.dev@gmail.com

☎ (718) - 801 - 9971

🌐 www.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

Intern

SchoolYourself 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@jjl.nu

Personal Projects

markov-music

- Procedurally generated music using first-order Markov chains.

nycurl

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

Bouncy Square

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

Tank Anarchy

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

Education

09/2012 - 06/2016

Manhattan, NY

High School Diploma

Stuyvesant High School

Relevant Information

- Vice President and Head of Programming of Stuy Fission FTC 310 robotics team.
- Speaker and Teacher for Software Developer's Club.

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

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 and a web browser.

defhacks() 2015 - Best Overall Hack

Award for creating a multiplayer PvP tower defense game.

Languages

JavaScript	●	●	●	●	●
NodeJS					
HTML/CSS	●	●	●	●	●
Python	●	●	●	●	●
Java	●	●	●	●	●
C	●	●	●	●	●

Interests

Video Game Development | Amateur Rocketry | Robotics |
DIY Electronics | Puzzle Solving | Music Composition