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

Tasks/Achievements
- Developed interactive videos for geometry curriculum in JavaScript used 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
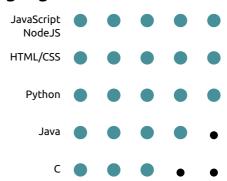Won nationals and competed internationally in Doha, Qatar

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