Passionate software developer and computer engineering student with two years experience in full-stack web development in a mix of personal and academic projects. Primary goal in previous projects was to write software that is intuitive, performant, and engaging while giving clients the data they need. Hoping to gain experience at an internship or entry-level opportunity in data science, low-level software, or web development in a fast-paced, small team environment.

Experience

2018-present

Software Engineer Intern
Consignmore

- Currently designing an online platform to create a convenient flow of information transfer for auction houses, both internally between employees and externally to consignors.

2018

Software Engineer Intern
Optum Labs of Florida

- Built and advised on informational websites for the myGUT X22 and RespHealth X21 health products.
- Improved client information access and added convenient methods of searching for affiliated doctors and buying the products.

2017-2018

Software Engineer
Safe Rides of Redding and Easton

- Actively communicated with founders of the Safe Rides service that provides high schoolers with a trusted, reliable way home.
- Web-app serviced over 70 volunteers and a dozen Safe Ride requests, streamlining the request/volunteer process by making it paperless and updating volunteer locations in real-time.
- Attended sessions and instructed volunteers on the use of the web-app.

2015-present

Freelance Software Engineer
Hackathons and School Projects

- Currently working with school's student banker to revamp the the university's student-run websites with a modern "fusion" website, aiming to improve performance and unity.
- Collaborated with chemistry team to create a mobile app to aid analysis of colorimetric chemical test strip, developed as a low-cost alternative to modern methods of blood glucose testing for diabetics as part of an engineering course.
- Built a variety of engaging museum exhibits for children related to mathematics and science topics such as polynomial regressions, pendulum dynamics, the doppler effect, function graphing, and function periods for the Museum of Mathematics.
- Created an interactive online multiplayer driving simulation, in which player movement is controlled by smartphone orientation.
- Developed a heuristic to calculate player Varsity fitness for members of the JBHS bowling team, and a website to display team and player statistics, easing planning responsibilities for team leaders.

Education

2018-2022

The Cooper Union for the Advancement of Science and Art
Majoring in Electrical Engineering, Computer Engineering Track

- Coursework in Digital Logic and Design, Data Structures and Algorithms I, Programming for Electrical Engineers
- Most recent cumulative GPA (first semester, unweighted): 4.000

Jonathan Lam
Software Engineer

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- stackoverflow.com/users/2397327
- linkedin.com/in/jonlamdev

Skills

Critical thinking

Collaboration

Written communication

Time management

Full-stack development

Web development

Technologies

- **JavaScript** (ES6)
- Node.js
- Angular 2+
- React.js
- Vue.js
- **HTML5**
- **CSS3**
- Sass
- Bootstrap
- **SQL** (MySQL, PostgreSQL)
- **PHP7**
- **C**
- **C++**
- **Java**
- Linux
- MEAN/MERN stack
- LAMP stack