

Xiaoyun Yang

Software Engineer. Project Manager.

<http://xiaoyunyang.github.io>

<https://github.com/xiaoyunyang>

Contact

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📍 New York, NY

SPECIALTIES

- ☑ Frontend: React, ReactNative, D3
- ☑ Backend: Node, Express, Play
- ☑ Project Manager

SOFTWARE EXPERIENCE

Frontend: React, Redux, D3, Backbone, Underscore, AngularJS (1), jQuery, MaterializeCSS, SASS

Backend: Node.js, Play, Postgres, Mongo

Mobile: ReactNative

DevOps: AWS, Route53, S3, Heroku

Design: OmniGraffle, Adobe CC, Sketch

Leadership: Software project management for safety critical military applications

KNOWLEDGE

Languages: JavaScript, Scala, Java, C, Objective-C, MATLAB

Paradigms: Functional Programming, Object-oriented programming

Web: REST, Web Security, Reactive programming, HTML5, CSS, Markdown

Mobile: ReactNative, iOS

SIDE PROJECTS

Writer for DailyJS (<https://medium.com/dailyjs>)

AnotherTravelApp: Mobile app built in ReactNative with crowdsourced to-do list for various destinations.

EDUCATION & WORK

Jun 2015 -

Founder / LooseLeaf LLC (<http://looseleafapp.com/>)

- Developed a RESTful web app with React.js and D3.js on the frontend, Node.js and Express on the backend
- Developed a RESTful web app in Play Framework (Scala).
- Developed a single page application w/ React and D3.
- Used git and Github for version control and documentation.
- Developed marketing illustrations and website illustrations in Adobe CC and Sketch.
- Gave demo at TechDay and presented code at a meetup

Jun 2014 - Mar 2015

Co-Founder / NumberShapes LLC

- Created iOS apps for a gamified early math education experience using a model-view-controller paradigm
- Created a website using SASS, Node.js, Express, and AngularJS (<http://number-shapes.herokuapp.com>)

Dec 2014 - Dec 2018

Nuclear Engineer / Naval Reactors; Washington DC

- Responsibility: Coordinated the support, maintenance, and R&D for major reactor plant components for the U.S. Navy's nuclear submarines and aircraft carriers.
- Side Project: Created a React and D3 client-side app for knowledge management and resource sharing that integrates with the existing workflow process tools on the confidential network.

Aug - Dec 2013

M.S. in Electrical and Computer Engineering

Carnegie Mellon University, Pittsburgh, PA

- Focus: machine learning and software design

Feb - Dec 2013

Software Engineering Intern

Software Engineering Institute; Pittsburgh, PA

- Designed and developed an application to investigate strategies to achieve pareto efficiency in a joint effort by stakeholders of conflicting interests.

Jul - Aug 2010

Web Design Intern / Its-your-internet LLC; Forest Hills, NY

- Created websites for clients using HTML and CSS.

Aug 2009 - May 2013

B.S. in Electrical and Computer Engineering

Carnegie Mellon University, Pittsburgh, PA

- Focus: signal processing and embedded systems