Xiaoyun Yang

Software Engineer. Project Manager.

http://xiaoyunyang.github.io

https://github.com/xiaoyunyang

Contact

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location: 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
Paradigm: Functional Programming, Object-oriented programming
Web: REST, Web Security, Reactive programming, HTML5, CSS, Markdown
Mobile: iOS, Android, ReactNative

Side Projects

AnotherTravelApp: Mobile app built in ReactNative with crowdsourced to-do list for various destinations.
Functional Programming Tutorials: A collection of articles with Scala and Javascript examples.

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.
- 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