Xiaoyun Yang

Software Engineer. Entrepreneur.

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Contact

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INTEREST

I would like to work somewhere that lets me build open source software solutions to make the world a better place.

EXPERIENCE

Frontend: React, Redux, D3, Backbone, Underscore, AngularJS (1), jQuery, , CSS, HTML
Backend: Node.js, Express, Play, Mongo
Tools: Webpack, Babel, AWS, Heroku
DevOps: AWS, Route53, S3, Heroku
Mobile: ReactNative, iOS
Leadership: Night entrepreneur and software project manager for safety critical military applications by day.

KNOWLEDGE

Languages: JavaScript, Scala, Java, C, Objective-C, MATLAB, Go
Paradigms: Functional Programming, Object-oriented programming
Web: single page app, isomorphic/ universal web app, REST, MVC
Design: Material Design

SIDE PROJECTS

Technical Writer: Published programming articles under DailyJS and HackerNoon.
AnotherTravelApp: Mobile app built in ReactNative with crowdsourced to-do list for various destinations.
Learning: Go

EDUCATION & WORK

Jun 2015 -
Founder / LooseLeaf LLC (http://looseleafapp.com/)
- Developing an isomorphic/universal web app using the MERN stack (Mongo, Express React, Node)
- Developed a RESTful API in Play Framework (Scala).
- Used git/Github for version control and documentation.
- Presented prototype app at TechDay in DC and LA to gather feedback and made improvements to the startup idea and web app design (market research).
- Developed marketing material for startup events.
- Developed a single page application in React and D3.js.

Jun 2014 - Mar 2015
Co-Founder / NumberShapes LLC
- Created iOS apps (100K+ downloads) for a gamified early math education experience
- Created a single page application website using Node.js, Express, and AngularJS

Dec 2014 - Dec 2018
Nuclear Engineer / Naval Reactors; Washington DC
- Responsible for the development, maintenance, and obsolescence management of major reactor plant components, hardware/software building blocks for embedded reactor instrumentation and control systems.
- Day-to-day included on functional requirements development, technical writing, and communicating dense engineering concepts to non-technical communities.
- Side Project: Created a server-less web application for Intranet using React and D3.

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.

Aug 2009 - Dec 2013
B.S. and M.S. in Electrical and Computer Engineering
Carnegie Mellon University, Pittsburgh, PA
- Focus: embedded systems and machine learning

Jul - Aug 2010
Web Design Intern / Its-your-internet LLC; Forest Hills, NY
- Created websites for clients using HTML and CSS.