

# steven wu

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**TECHNICAL SKILLS**    **Strong:** JavaScript, React Native, Backbone, React, Angular, Node, Git, MongoDB, MySQL, PostgreSQL  
**Experienced:** CoffeeScript, Python, Java, C, HTML/CSS, Sequelize/Mongoose/Bookshelf, Mocha, Chai, Jasmine, D3, jQuery, GruntJS

**PROJECTS**

**rectangle** — **Product Lead + Software Engineer**  
Native iOS app where people use QR codes to exchange paperless business cards <http://bit.ly/1OxDndW>  
: Abstracted efficient and reusable front-end systems using React Native adapting to multiple mobile OS  
: Optimized performance and accessibility by weighing trade-offs of native vs React Native components  
: Identified and communicated front-end best practices using visual and interactive design disciplines  
: Worked cross-functionally across design and engineering to polish the product experience

**CookEase** — **Software Engineer**  
Native Android app that detects when cooking tasks have been completed <http://bit.ly/1XJQcbo>  
: Engineered audio recognition and WEKA machine learning algorithms to train mobile phones to listen for and identify sounds produced by kitchen appliances

**Hand Washing Gamified with Leap Motion** — **Software Engineer**  
Desktop app that creates a game out of hand washing <http://on.be.net/1u1AEP3>  
: Processed hand gesture recognition with Leap Motion utilizing PyGame, Mingus, and Leap Motion SDK to provide audio and visual feedback to notify the user upon completion of hand washing

**Beer Tab** — **Software Engineer**  
Social payment app where people can send beers to friends <http://bit.ly/1UadaDP>  
: Implemented JSON Web Token session authentication scheme on a dynamic front-end using Angular  
: Architected a server API for the Angular application using Node, MongoDB, and Mongoose  
: Configured Grunt tasks for automated continuous deployment to Heroku

**Grizzly** — **Software Engineer**  
Music playlist app where people request songs from their smartphones <http://bit.ly/1NG2rBI>  
: Crafted seamless UI components and forms across pages using Angular from designers' specifications  
: Engineered back-end using Node to handle MongoDB interactions for crowdsourcing systems

**snoopdit** — **Software Engineer**  
News feed app where tourists can find what locals are discussing on Reddit <http://bit.ly/1QobNRM>  
: Retrieved Reddit threads using the Zipsaur.us and Reddit APIs and displayed them with Backbone

**EXPERIENCE**

**Pixar Animation Studios — Emeryville, CA** 2014  
**Technical Director Intern — Pixar University**  
: Produced design specifications using Illustrator and Photoshop to eliminate intermediate computer animation tasks, reducing time spent by technical artists on film productions by 30%  
: Documented various parts of Pixar's pipeline (Presto, Houdini, Katana) referencing UI redesigns to support technical artists on future feature and short films  
: Generated comprehensive blocking, procedural generation, and lighting tutorials and examples to reflect UI changes, now used in production as Pixar's bootstrapped onboarding process

**Microsoft Corporation — Redmond, WA** 2013  
**Servers and Tools Extern**  
: Developed monetization strategies and researched competing trends by Microsoft's Strategy Team  
: Analyzed Microsoft infrastructure software and developer tools, especially Windows Server and SQL

**EDUCATION**

**Hack Reactor** Advanced Software Engineering Immersive 2015

**UC Berkeley** Bachelor of Arts in Computer Science 2011 - 2015

**INTERESTS**    Procedural Generation — Sprint Swimming — Interaction Design — Nitro Cold-Brews — Five-Panel Hats