steven wu

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TECHNICAL SKILLS

Strong: JavaScript, Backbone, React Native, Angular, React, Node, Git, MongoDB, MySQL, PostgreSQL

Experienced: Python, Java, C, CoffeeScript, HTML/CSS, Sequelize/Mongoose/Bookshelf, Mocha, Chai, Jasmine, D3, jQuery, GruntJS

PROJECTS

nimbus — **Product Lead + Software Engineer**
Native iOS app where people use QR codes to exchange paperless business cards   (DEPLOYED LINK)
: Abstracted efficient and reusable front-end systems using React Native to adapt 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/1y6gsCl
: 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 a Leap Motion device then used 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/1NG2rBl
: Crafted seemless UI components and forms across pages using Angular from designers' specifications
: Engineered back-end using Node to handle MongoDB interactions for crowdsouring systems

snoopdit — **Software Engineer**
News feed app where tourists can find what locals are discussing on Reddit
: 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 — Design Thinking — Nitrogen Cold-Brews — Five-Panel Hats