

# steven wu

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**TECHNICAL SKILLS** **Strong:** JavaScript ES5/ES6, React/Redux, Node, Git, HTML/CSS, MySQL, Postgres

**Experienced:** Python, Java, C, Mocha, Chai, Jasmine, D3, jQuery

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## EXPERIENCE

**SJSU Research Foundation at NASA Ames Research Center — Moffett Field, CA** 2016 - Present  
**Senior Research Associate (SWE) — Human-Computer Interaction Group**

- : Building UI components that enable another decade of mission support for Mission Assurance Systems alongside a cross-pollinated team of software engineers and interaction designers
- : Architecting a reusable UI component framework implemented in React and Redux in an effort to create scalable modular dashboards that serve users agency wide
- : Developing high volume data integration software that identifies Exploration Systems Development (ESD) problem reporting and flight readiness in preparation for the Space Launch System (SLS)

**Pixar Animation Studios — Emeryville, CA**  
**Technical Director Intern — Pixar University**

2014

- : Produced design specifications using Illustrator and Photoshop to eliminate redundant 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

## PROJECTS

**rectangle** — **Product Lead + Software Engineer**  
Native iOS app where people use QR codes to exchange paperless business cards <http://bit.ly/1OxDndW>

- : Abstracted reusable front-end systems using React Native for future maintainability
- : Optimized performance and accessibility by identifying 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

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## EDUCATION

**UC Berkeley** Bachelor of Arts in Computer Science

2011 - 2015

## INTERESTS

Meditation + Tea --- Design Language --- Transit Maps --- Golden Bears Football --- Onsens