

steven wu

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LOCATION San Francisco, CA
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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

EXPERIENCE

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

- : 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)
- : 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

Pixar Animation Studios June 2014 - Aug 2014
Emeryville, CA
Technical Director Intern – Pixar University

- : 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

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

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

INTERESTS Meditation + Tea --- Design Language --- Transit Maps --- Swimming --- Music Production