

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 -- Pizza -- Design Language -- Retro Things -- Music Production -- Transit Maps