

# 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** **NASA Ames Research Center — Moffett Field, CA** 2016 - Present  
Software Engineer — Human-Computer Interaction Group

- : Software development of Mission Assurance Systems supporting the agency and the ISS
- : Implementing usability workflows with React + Redux optimizing for system performance and page load times to be independent of the DOM size
- : Working on a cross-pollinated team of interaction designers and engineers, building UI components that enable another decade of mission support
- : Engineered tools and processes for running, downloading, and subscribing to mission safety and assurance reports, reducing cognitive overhead previous procedures took

**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

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**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

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**INTERESTS** Meditation + Tea --- Design Language --- Transit Maps --- Golden Bears Football  
Rock Climbing --- Language Translation --- English Menus in Foreign Countries