

RICHARD XU

1738 Spruce St. Berkeley, CA 94709 | 425-623-6872 | richardxu@berkeley.edu
Website: richardxu.me | Github: [xurichard](https://github.com/xurichard) | LinkedIn: [richardxu1](https://www.linkedin.com/in/richardxu1)

Intended May 2017 *University of California, Berkeley | Berkeley, CA*
• B.S. Bioengineering and Electrical Engineering and Computer Science, intended honors program
• Current GPA: 3.430

RELATED SKILLS

Languages • Java, Python, Javascript, HTML, CSS, C, Matlab, MIPS
Software • Eclipse, node.js, GDB, Latex, Photoshop

PROJECTS

Software Research Assistant, *Language and Cognition Laboratory at UC Berkeley* January 2014 - Present
• Expanded the space of TRPS (Topological Relationship Picture Series) through matrix transformations
• Applying different functions to large sets of data in parallel to view changes in individual languages across large time spans using Apache Spark

Social Innovation Hackathon, *Front-end developer* November 8th, 2014
• Won third place in the Social Innovation Hackathon with our
• Designed an intuitive and easy to use news feed layout for displaying information and corresponding documents

PROJECTS

Space Hackathon, *Front-end developer* November 8th, 2014
• Created a proof of concept for a bioreactor that could perform experiments remotely in space
• Used the Intel Edison and the IoT cloud service to provide users with a simple interface to interact with

Social Innovation Hackathon, *Front-end developer* November 8th, 2014
• Won third place in the Social Innovation Hackathon with our
• Designed an intuitive and easy to use news feed layout for displaying information and documents

Play conference Hackathon, *Back-end developer* October 19th, 2014
• Created an app to gauge sentiment across sources of social media: Facebook, twitter, yelp, etc.
• Created easy to understand metrics using natural language processor and Yelp/Facebook API
• Implemented a simple user interface using Kivy, an open source python library for app development

Cal Hacks, *Back-end developer* October 4th, 2014
• Created a web application to allow users to perform tasks without exiting current applications
• Created an interface with background applications through the Leap Motion API and Javascript

LEADERSHIP

CRRS Staff Assistant, *UC Berkeley Campus Refuse and Recycling Services* August 2014 - present
• Created and implemented projects to improve campus recycling and composting
• Coordinated with building directors to implement new procedures

ReUSE Head of Strategic Planning, *Campus sustainability organization* August 2013 - present
• Lead the Strategic Planning Committee in several projects to increase environmental sustainability

Outreach committee, *BMES – Biomedical Engineering Society* August 2013 - present
• Lead project to increase awareness and interest in higher education in STEM fields in local schools
• Organized dinner with alumni to connect current students and alumni and professors

Engineering Library Committee Chair, *Engineering Library student committee* August 2013 - present
• Surveyed different groups of students to create a more inviting and productive environment in the library

EXTRACURRICULAR ACTIVITIES

- Running, playing cello, chess