

Rui Li (Mary) Xu

A self-motivated student fascinated by computer science and engineering, who aspires to utilize technology to better our everyday lives.

ruili.xu@berkeley.edu
github.com/rlxu
(510) 565-8526
Fremont, CA 94539

Experience

The Tech Museum of Innovation - Exhibit Interpreter

Nov 2014 - Jun 2017

Volunteered on weekends to manage museum exhibits, engage with guests, and train new volunteers. 277 hours served; recipient of Janie and Wayne Lambert Scholarship.

Impressive Minds Academy - Robotics Teacher

Sep 2016 - May 2017

Taught groups of ~10 elementary school students fundamental engineering and programming principles using Lego EV3 platform at an afterschool program weekly.

Projects

Summer 2017: Girls in STEM Club Website

Link: www.irvington.org/girlsinstem

Designed a club website for high school organization I was part of. Utilized html, css, javascript and php.

May 2017: Bluetooth RC Drone Car

Instructable: www.instructables.com/id/Bluetooth-RC-Drone-Car/
SIDE Project for robotics course. Toy car controlled by Android app and powered by Arduino. Project displayed at Bay Area Maker Faire 2017 with the Berbawy Makers.

March 2016: Bluetooth Position Device for Child Monitoring

Alameda County Science and Engineering Fair

First place in Mechanical Engineering and Instruments category.

Created an Arduino based wearable device and an accompanying Android application.

Honors

- ▶ College Board National AP Scholar (July 2017)
- ▶ NCWIT Aspirations in Computing Award: SF Bay Area Honorable Mention (Jan 2017)
- ▶ USA Computing Olympiad: Silver division (Jan 2017)

Skills

- ▶ Programming: Java, Python, UNIX/Linux, front-end web development
- ▶ Other technical: Arduino, Android, CAD, 3D printing, electronic prototyping, Illustrator
- ▶ Languages: English (native), Mandarin Chinese (native), Spanish (6 years)

Education

University of California, Berkeley

Aug 2017 - May 2021

Major: Intended Computer Science, BA

Related coursework: Structure and Interpretation of Computer Programs (CS 61A), Designing Devices and Information Systems I (EE 16A)

Ohlone College - Fremont, CA

Aug 2014 - May 2017

GPA: 4.00/4.00

Related coursework: Engineering Graphics and Design (CAD), Introduction to UNIX/Linux, UNIX/Linux Shell Scripting

Irvington High School - Fremont, CA

Aug 2013 - June 2017

GPA: 3.96 (UW) | 4.31 (W)

Academic Top 10

Activities

Irvington Robotics Club (2014-2017)

President, Team Captain, Secretary

Competed in the VEX Robotics

Competition as team 44730B.

Showcased projects at Bay Area Maker Faire 2015, 2016, and 2017.

Girls in STEM Club (2013-2017)

President, Publicity

Organized research lab tours, company visits, and other events to introduce students to various aspects of STEM.

Irvington Cubing Club (2015-2017)

President, Founder

Taught other students Rubik's cube solving strategies and attended speedcubing competitions.

Science Alliance (2014-2017)

Mentor, Panelist

Mentored 5th-8th grade students for the county-level science fair.