

Ruhan YANG

(720)539-4180
Boulder, Colorado

Ruhan.Yang@colorado.edu
ruhanyang.com

EDUCATION

University of Colorado Boulder

- Bachelor of Science, Mechanical Engineering major January 2015 – May 2019
Applied Mathematics minor
- Master of Science, Creative Technologies and Design August 2019 – May 2021

TECHNICAL SKILLS

Computer: SOLIDWORKS Mechanical Design – Associate, Fusion 360
CorelDRAW, R, Processing, P5.js

Machine: Lathe, Mill, Saw, Drill, Laser Cutter, Circuit

PROJECTS

EdBoard Technologies 2017 - till now

An educational breadboard. It is a new design of breadboard that is affordable, accessible, and engaging to younger audiences, in order to increase diversity and remove the barriers of entry in K-12 STEM education.

Publication: Ruhan Yang, Cody Candler, and Ellen Yi-Luen Do. 2020. EdBoard: An Educational Breadboard, (to appear) In *Proceedings of the Interaction Design and Children Conference 2020 (IDC'20)*. DOI: <https://doi.org/10.1145/3397617.3397832> (London, England (virtual)–June 17-24, 2020).

e-Trombone 2020

An electronic trombone built during the 2020 Georgia Tech's (GT) annual Moog Hackathon. The e-Trombone was built with PVC pipes sprayed with glossy paint to simulate a metallic look and inserted wind sensors, allowing players to create brass-like sounds through different blowing techniques. The e-Trombone won the first place in the hackathon and became one of the finalists of GT's prestigious Guthman Musical Instrument Competition.

Disabled Swimmer Lift System 2018 - 2019

A special swimmer lift system designed for the QL+ challenger, Travis Mills Foundation. Five of us built this project as our mechanical engineering capstone project in senior year. We are challenged to develop a portable lift to get swimmers with disabilities out of the water and onto a floating dock.

WORK EXPERIENCE

EdBoard Technologies LLC 2017 - till now

- Cofounder, Product Design

Student Academic Success Center, University of Colorado at Boulder 2017 - 2019

- Mathematics Instructional Assistant, Tutor

The Child Language Learning Lab, University of Colorado at Boulder 2016

- Research Assistant