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## **Experience**

### **BOBOT**

**Founder**

*July 2021 - Present, San Francisco, CA*

- Designing and building a robot that will make a cup of boba tea automatically.
- Planning on turning it into a business selling boba tea at school and corporate events.

### **KB YOUNG DESIGN**

**Summer Design Intern**

*July - August 2021, San Francisco, CA*

- Collected user needs, then designed and prototyped a reusable berry container to replace single-use plastic berry containers used at farmer's markets and grocery stores.

### **CURBSIDE ELECTRONICS**

**Instructor/Volunteer**

*July - August 2020, Los Altos, CA*

- Developed an online course to help elementary and middle school students learn basic electronics concepts - voltage, current, resistance, etc
- Designed curriculum, created and assembled project kits and sent these to registered students.
- Taught class (5 Zoom sessions, each 2 hours long)

### **AMIGOS DE LAS AMERICAS**

**Volunteer**

*June-July 2019, Mata Oscura, Panama and Monte Verde, Panama*

- Participated in a service program in Panama. Worked on ocean conservation project in Mata Oscura. Taught English to 3rd and 4th graders. Worked on a construction project for a school in Monte Verde. Lived with a family in their home without running water or electricity.

*June -July 2020, online via Zoom.*

- Partnered with US and Latin American students to devise a Community Impact Project. Delivered over 200 COVID-19 care kits to local homeless shelters.

### **PLAYGROUND GLOBAL (Venture fund and Startup Studio)**

**Machine Shop Intern**

*July - August 2019, Palo Alto, CA*

- Responsible for performing weekly scheduled maintenance and cleaning of CNC machine and 3D printers.
- Assisted with assembly tasks on an electric go-kart designed and built at Playground.

### **THE NUEVA SCHOOL Summer Camp**

**Design Thinking Camp Counselor/Volunteer**

*July 2018, Hillsborough, CA*

- Teaching assistant for hands-on techshop class at Nueva's Summer Camp for 2nd graders. Helped to teach basic Design Thinking Concepts. Helped students to build the small projects they each conceived.

### **PEAR VC (Seed stage venture fund)**

**Summer Intern**

*July 2016 - August 2016; July 2017 - August 2017, Palo Alto, CA*

- Assisted the investment team with research on companies and entrepreneurs, including doing in-person surveys of morning commuters at local CalTrain station and requesting them to submit app store reviews.
- Office administrator including greeting guests, managing kitchen, and stocking office supplies.

## **Education**

### **THE NUEVA SCHOOL**

**Kindergarten through High School**

*September 2009 - Present, Hillsborough and San Mateo, CA. Expected Graduation June 2022*

- Relevant Classes: Computer Science; Web Development; Intro to Machine Learning; Intro to Fabrication; Physics I & II; Product Design; Calculus; Statistics; Modern Physics.

- Notable projects:
  - 12th grade Capstone Project (in progress): Building boba robot to automatically make boba tea drinks.
  - 11th grade Capstone Project: built internet connected LED installation (LED Matrix display connected to a Raspberry Pi which communicated over the internet to Spotify via its API to retrieve and display cover art.
  - 10th grade Capstone Project: Modified a 3D printer to build a computer-controlled cookie frosting machine. Designed and fabricated new parts in order to dispense the icing from a syringe into a tube and nozzle.
  - 9th grade Capstone Project: using Python, Javascript, and various APIs, built a chat bot on Telegram for students that responded to queries about lunch menu, class schedules, and homework assignments..
  - 8th grade Capstone: designed and built a machine to make s'mores. Did CAD design in Fusion360, used a laser cutter to cut all plastic machine parts, built a mini-oven from firebricks and hand-wound nichrome wire to roast marshmallows. Programmed an Arduino to control the servo and stepper motors that drove all the mechanisms in the machine. Demonstrated the machine in a school exposition and made approximately 100 smores in 3 hours.

## **DESIGN THE FUTURE**

**Summer Student**

*July 2019, Stanford University, CA*

- Learned about and used the Design Thinking process to create an adaptive mouse which helped a community member who had poor hand coordination.
- Using the core circuit board and sensors from an existing mouse, along with 3D printed parts I designed, and foam that I carved, created a new mouse which suited the user's needs better.

## **Extracurriculars & Activities at The Nueva School**

2020: Organizer of What the Future Holds Speaker Series and Club

- Recruited CEOs, investors, and industry specialists for discussions on the future of their STEAM fields.
- Ran meetings, prepared and conducted panels.

2019 - 2021: Varsity Soccer - Co-captain in 12th grade

October 2015 - Present: Robotics Team

- Member of the design subteam, which focuses on CAD design of the robot
- Honed CAD skills in SolidWorks, learned a lot about the different stages of prototyping, and also learned about team dynamics.

March 2015 - June 2017: Middle School Tech Crew Member, Head of Tech Crew in 8th grade

- Setup and ran audio visual equipment for all school assemblies and performances.
- Led the tech crew. Recruited, trained, scheduled and managed tech crew members to ensure all events were staffed and well-run.

## **Other Extracurricular**

2008-2020: Club soccer at Red Star Academy in Los Altos, CA

## **Skills**

Adobe Illustrator, Adobe Lightroom, Fusion 360 (Basic), SolidWorks (Basic), Shop power tool proficiency, Basic TIG welding, Python, Java Script, React Native (Basic), HTML/CSS, Google Docs and Sheets, Excel, Piktochart, Spanish (Fluent), Mandarin (Basic), Good verbal and written communications skills.

## **Hobbies**

Snowboarding, Fitness (running and weightlifting), Club Soccer, Hacking and tinkering, Household repair.