

Brom McCullough

contact@opensolutions.design
opensolutions.design/portfolio

Experience

August 2022 – Current

Technical Assistant

RANDALL MUSEUM

Coaches staff and students in 3d printing, electronics, and other digital fabrication. Assists in museum installation and general equipment maintenance.

March 2022 – October 2022

Sales Associate

CENTRAL COMPUTERS

Sales associate at central computers in charge of assisting customers with PCs and related technology. Makes custom PC component list per customer's needs from internals and peripherals to repair/ improve existing builds. Assistance in finding products/ solutions for video, power delivery, diagnosis, upgrades, adapters and networking hardware.

June – July 2021 & 2022

Lead Camp Counselor, Digital Technician

RANDALL MUSEUM

Directs campers in learning activities, games, and recreation; instructs and develops CAD modeling, electronics, and rudimentary mechanical design courses for students and campers.

June – July 2019 & 2020

Camp Counselor, Teaching assistant, Fabrication Technician

RANDALL MUSEUM

Assisted teaching 3D modeling, robotics, Arduino robotics, and makey-makey classes for students of ages eight through seven years old. Fabricated student's 3d modeling projects.

June - July of 2018 - 2020

Volunteer Teaching assistant, Fabrication Technician

RANDALL MUSEUM

Assisted robotics, 3d printing and simple circuit classes. Fabricated student's 3d modeling projects.

Skills

Childcare education in group and individual capacities.

Working with others, assisting, and organizing groups of people to accomplish a goal.

Adobe Photoshop, Illustrator, InDesign, and Premiere Pro,

Autodesk Fusion360, Tinkercad, Revit.

SolidWorks

Prusa slic3r, Cura and MakerBot slicer programs.

Maintenance of Prusa and LulzBot 3d printers.

Universal, Epilogue, and Hobby laser systems.

Desktop + mobile hardware system construction and maintenance.

Microsoft Excel + Word.

Hobbyist soldering + simple electronics.

Architectural model making

References

Susan Working, Randall Museum Curator.

Candy Wong, Branch supervisor, Central Computers.

Joel Horne, kinetic sculpture artist and instructor at the Randall Museum.

Education

SAN FRANCISCO STATE UNIVERSITY, PRODUCT + INDUSTRIAL DESIGN

Fall 2023

Drafting + Sketching for design, Future Environments, Future of the forests.

Spring 2023

Intro to Printmaking, Intro to 2d Design, Lab Safety Basics, Intro to Macroeconomics, Intro to American Politics.

Fall 2022

Digital Media Basics, Chem. for energy and environment, Cultivating Curiosity, Health and Social Justice, Writing the first Year.

Spring 2022

Language, Culture and Power, Fundamentals of Oral Communication, Visual design literacy, Writing the First Year.

Fall 2021

Elementary Statistics, Intro to Critical thinking, Introduction to Environmental Science, U.S. history through Reconstruction.

RUTH ASAWA SOTA, ARCHITECTURE AND DESIGN DEPARTMENT

Fall 2017 – Spring 2021

Processes of developing creative ideas beyond concepts, communicate design intentions through research, design analysis, technical and communicative drawing, model building, ability to create visual, written, and verbal presentations in digital and conventional mediums.

RUTH ASAWA SCHOOL OF THE ARTS

Fall 2017 – Spring 2021

GPA: 3.3

Audition-based, alternative high school in the San Francisco Unified School District committed to equity and excellence in the arts and academics for all community members.