

Andrew Zha

| Fort Collins, Colorado 80526 | (623) 760-6748 | drewzha@gmail.com | [Github](#) |

EDUCATION

University of Colorado, Boulder

August 2024-

Boulder, CO

Bachelors in Mechanical Engineering

Expected Graduation: Dec 2027

Front Range Community College

August 2019- May 2023

Fort Collins, CO

Associate of Science, CAD Design Focus

WORK EXPERIENCE

CU Boulder, Boulder, CO

August 2024 -

Robotics Researcher for ACME Lab, MAC Lab, and HIRO Lab

Design and prototype robotics kits for industry use and behavioral analysis(ACME).

Design and render VR/AR user-controlled interfaces for organic wing foil design process(ACME).

Test and analyze impact mitigation structures in helmets to improve sports player safety (MACLab).

Design and prototype human-inspired robotic skin for environmental awareness and mapping (HIRO Lab).

OtterBox, Fort Collins, CO

July 2023- December 2024

Engineering Intern

Maintain and operate AM processes including printers and molding

Lead ME under Greg Castor for various Tech Dev projects in partnership with Apple + affiliates

James Gist, Fort Collins, CO

August 2021- June 2024

Personal Engineering Technician

Build and prototype various projects involving electrical and mechanical engineering skills.

Upwork, Fort Collins, CO

August 2022-

Freelance Prop 3D Modeler and Designer

Provided life-sized 3D models and prints for prop designers using various CAD design software such as

Solidworks, Fusion 360, and AutoCAD.

CECFC, Fort Collins, CO

August 2020- December 2021

Engineering Lab Intern

Initiated and prototyped a variety of projects using CAD design, manufacturing, soldering, and programming skills.

Tolmar Inc., Fort Collins, CO

December 2021- August 2022

Manufacturing Technician

Maintained accurate and complete manufacturing department records. Led process and product improvement initiatives.

EXTRACURRICULAR ACTIVITIES

Ramaero, CSU, Fort Collins, CO

August 2023- May 2024

Lead CAD Designer for Empennage and Wing

CERTIFICATIONS

DAssault Assemblies

SolidWorks CSWP

April 2023

SolidWorks CSWA

December 2022

Certiport

AutoCAD 2020 Professional

December 2019

AIMS Community College

Mechanical CAD Certificate

May 2023

Additive Manufacturing Certificate

May 2023

Front Range Community College

3D Printing and 3D Scanning Certificate

March 2023

Solidworks Certificate

March 2023

REFERENCES

Greg Castor, OtterBox Solutions Architect

greg.castor@otterproducts.com

Casey Hunt, ATLAS Institute Robotics Researcher

casey.hunt@colorado.edu

James Gist, Engineering Client

james.gist@gmail.com

434-825-5416

Nicholas Cassidy, OtterBox CAD Designer

nick.cassidy@otterproducts.com

203-305-6353

Zachary Dunkin, OtterBox Protolab Manager

zachary.dunkin@otterproducts.com

970-212-6106

Lee Gates, OtterBox Sr. Mechanical Engineer

lee.gates@otterproducts.com

970-443-7356