

# IAN BORAKS

1 [REDACTED] Lane  
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## INTRODUCTION

Passionate, hard-working, quick learner who excels in computer-based studies and works well in teams. Has developed strong skills in CAD software and has a passion for additive manufacturing and design.

## EDUCATION

### **STEM School Highlands Ranch (Including Concurrent Enrollment at Arapahoe CC)**

**Graduation: May 2022**

GPA: 4.41 | UWGPA: 3.96

College Courses (CE): Comp Tech I/II, Comp Net I/II, CAD Solidworks, Additive Manufacturing, AC/DC

AP Courses: Calculus AB, Physics 1, Physics C Mech, Physics C Elect, Government & Politics

### **Colorado School of Mines**

**Guest Student 2020-22**

UWGPA: 4.00

Calculus I, Calculus II, Calculus III, Differential Equations

## CERTIFICATIONS

### **SolidWorks**

Certified SolidWorks Expert (CSWE-MD)

CSWP Advanced Surfacing (CSWPA-SU)

CSWP Advanced Sheet Metal (CSWPA-SM)

CSWP Advanced Drawing Tools (CSWPA-DT)

CSWP Advanced Weldments (CSWPA-WD)

### **SolidWorks Continued**

Certified SolidWorks Professional (CSWP)

CSWA Additive Manufacturing (CSWA-AM)

### **TestOut**

PC Pro Certified

Network Pro Certified

## WORK EXPERIENCE

**Team member at *Chick-Fil-A*** [Front of House: POS and guest interaction]

**2019-2020**

**Lockheed Martin (LM) VR/AR Software Development Intern**

**2021**

Developed an AR-based application to view 3D models on a 1:1 basis, providing high-level descriptions of model components. Expanded capability which allowed connection to a multi-peer, infinitely expandable network. The project was showcased to multiple high-level military and industry personal including the Executive Vice President of Lockheed Martin Space. C#, Swift, Objective-C, and Unity were utilized for the project.

## PROFESSIONAL DEVELOPMENT

**Internship at *The 3D Printing Store*** [3D printer service and design consulting]

**2019-2020**

**Participant in the Junior Space Entrepreneur Program (JSEP)**

**2020**

**iD Tech Academy** – Advanced Python Coding with Machine Learning and Cryptography

**2020**

**Qubit x Qubit** – Introduction to Quantum Computing with IBM Quantum presented by MIT

**2020-2021**

## HONORS/AWARDS

### **CyberPatriot**

**2015-2022**

Placed nationally in the top 1% of all competitors for six years hardening Windows based operating systems and implementing security fundamentals in a Unix/Linux environment.

### **Technology Student Association (TSA)**

**2017-2022**

Took 1<sup>st</sup> in multiple events over five years of competition including Computer Integrated Manufacturing, Catapult Design, and Electronic Design Fundamentals.

**Colorado HS Athletic Association Academic All-State First Team [Tennis]**

**2020-2022**

**MIT iQuHACK** - MIT's Quantum Hackathon [1<sup>st</sup> place gate-based division (QriKET)]

**2021**

**Rensselaer Polytechnic Institute Medalist**

**2021**

## ACTIVITIES

**CyberPatriot** – Leader/Elected Team Captain

**2015-2022**

**Tennis** – Junior Varsity and Varsity at Chatfield High School

**2018-2021**

**Technology Student Association (TSA)**

**2017-2022**

**Ultimate Frisbee Club** – Co-Founder

**2019-2022**

**Secretary for Math Honor Society (MHS) & Member of Spanish Honor Society (SHS)**

**2019-2022**

**Founding Member of Computer Science Honor Society (CSHS)**

**2021-2022**

**Future Business Leaders of America (FBLA)**

**2021-2022**

## VOLUNTEER WORK

**Integrated Family Community Services (IFCS)** – Ready, Set, Go Back to School! Program

**2015-2022**

**Altitude Youth Ultimate (AYU)** – Score keeper, timekeeper, and statistics keeper

**2019-2022**

**Make4Covid** – Maker [3D printing] – Fabricated >350 pieces of PPE for health care workers

**2020**

## HOBBIES AND INTERESTS

**Technology:** Building/refurbishing systems, designing with CAD, and 3D printing for fun

**Sports:** Tennis, Skiing, Ball Golf, Ultimate Frisbee, Disc Golf, and Table Tennis