

LANDON CAMPBELL

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Throughout my entire life, I have always had a passion in engineering and computer science. Large or small, I can always be found working on some engineering or CS project in my free time. My favorite aspect of engineering is that no matter how much time spent, there is always more to learn. To me, discovering, creating, and developing a product or application that can positively change a community is simply the most exciting and exhilarating activity that I could do.

Eventually, my experience in computer science and engineering fostered pursuit in entrepreneurship. When I started my first company at sixteen years of age, I developed a love for entrepreneurship.

When I'm not working mentally, I like to keep myself in shape by mountain biking, rock climbing and backpacking. Other hobbies of mine include reading and scuba diving.



EDUCATION

University of Virginia

Electrical Engineering and Computer Engineering

August 2022 - June 2026

Grade: 4.0

Activities:

EpiSchool

Full Stack Application Development, Tech Entrepreneurship, and Career Design

June 2021 - June 2022

About:

Hosted by Yale alumni Paul Orland and Branko Backovic, Epischool is a thoroughly cultivated community of highly-driven college students who all share a passion in technology and innovative entrepreneurship. They specialize in teaching full stack app development, from day one to building an app from scratch. This is done with one-on-one weekly meetings and online courses.

Activities:

Coding for Founders Program Podcast Member Spotlight



Landstown High School - Governor's STEM Academy

Graduating GPA: 4.47 | Advanced Diploma

September 2018 - June 2022

Activities:

National Technical Honor Society Governor's STEM Academy Eagles Wrestling Robotics Club Eagles Peer Tutoring

EXPERIENCE

RedSide Custom Tools

Founder and Owner

July 2020 - Present

About:

RedSide Custom Tools is bike-tool brand that offers mountain bikers innovative parts, tools, and equipment for bike services and maintenance. We specialize in developing original products that make every mountain bikers' life easier; on the trail and in the workshop. By creating products that target and resolve common problems a mountain biker or bike mechanic will experience, we will achieve our goal of developing the mountain biking tool and equipment industry. We expect to eventually expand to road cycling, backpacking, and other outdoor industries.

Starting around three years ago, my father, sister, and I took up mountain biking. While he is an ex-professional, I quickly became an avid mountain biker. As time went on, I began noticing a severe lack of specific purpose-made tools and equipment for mountain biking. Being experienced in AutoCAD and a 3D printing advocate, I decided to make custom designed tools and equipment to resolve this.

By drawing from my own experiences and from consulting the mountain-biking community, I identify, design, and produce completely new or fundamentally redesigned products to meet these needs.

Our products have been featured on the world's largest mountain biking news source, PinkBike. Check out the [Portable Bike Stand Here](#) and the [MTB Rotor Protector Here](#).



Key Chains Official

Founder and Owner

September 2021 - January 2022 | January 2023 - Present

About:

Key Chains Official is a local business that creates custom one-off keychains for individuals, small businesses, and University club members. We take pride in our exceptional quality while still maintaining a low price.

Using my knowledge with Fusion360, Adobe Photoshop, and my 3D Printer, I design and create custom, uniquely colored keychains for students to support and promote their community groups and clubs at the University of Virginia.

Making a professional-quality custom keychain started as a small project to decorate my newly acquired key ring. However, it quickly caught on with my friends and family. Realizing the potential interest many might have in a personalized keychain, I created a set for my local martial arts academy - which was a big hit. After advertising the product at school, it became very popular and developed into a local business.



Campbell's Custom Cuts

Self-Employed

October 2021 - April 2022

About:

As an individual, I offer local clients professionally CNC-milled foam inserts for any application. Using a proprietary method, CNC Inserts are created to perfect scale simply from a photo and single given measurement. I also shape the border of the foam to fit any accompanying hard case.

While CNC milling is nothing new, an individual acquiring one-off custom foam inserts at an affordable price is fairly new. Being an entrepreneur and having a passion in innovative technology, I instantly recognized the sophistication a CNC foam insert gives any product.

Audiobook Creation Exchange (ACX.com)

Audiobook Narrator | Part-time

June 2021 - October 2021













About:

I have Narrated 6 published books; three of which are programming based. Audiobooks are published on Amazon, iTunes, and Audible. Sold over 350+ audio copies.

To fund my company and many projects, I started a night-shift audiobook narration job. Student at morning, entrepreneur at day, audiobook narrator by night.

STEM AND CS SKILLS

Programming/CS

 Python  Flask | Python Framework SQLAlchemy | Python Framework  C++  Java  Swift  SQL, MS SQL, Postgres
 Javascript  React.js | JS Framework JQuery | JS Framework  AJAX (Asynchronous JS and XML)  CSS  HTML  Git | Git Bash
VHDL (VHSIC Hardware Description Language) Assembly MATLAB

Programs

Audacity Adobe Premiere Pro Adobe Acrobat DC Adobe After Effects Adobe Photoshop Adobe Illustrator Adobe Dreamweaver
Autodesk Fusion360 Fusion CAM Grblcontrol Prusa Slic3r Blender Intel's Quartus II ModelSim Altera Betaflight-Configurator
Linux Kernel | Ubuntu, Kali, Raspian TD Ameritrade Thinkorswim Microsoft Office

Practical Skills

Product Design and Development Commercial Photography Sales and Marketing Social Media Marketing Business Operations Ecommerce
Amazon Seller Central Audio Editing Full Stack App Development Software Development 3D Modeling 3D Printing
CNC Mill and Router Operations Computer Hardware Design Data Analytics Visualization Robotics Computer Maintenance and Assembly
Machinery Assembly Tool Engineering Woodworking Network Administration Cybersecurity

Certifications

Workplace Readiness Certified CompTIA Security+ CE Certified

VOLUNTEER WORK

Computer Science Augmentum

Senior Year | 2022

My project partner Thomas and I taught Javascript and YML to middle school students with the short-term goal for them to program a private minecraft plugin from scratch, with the long-term goal of stimulating interest in computer science amongst the local middle school age demographic.

After-School Peer Tutoring at Landstown High School

Senior Year | 2021-2022

While not completely consistent, I stayed after school most Tuesdays to peer tutor Algebra I, II, III; Geometry, Trigonometry, Pre-Calculus, AP Calculus 1, Biology, Chemistry, AP Chemistry, Physics 1, Robotics, and AP Computer Science A.

Virginia Beach Clean-Up Day

2021

My family and I picked up trash and pollutants along Indian River Road for Virginia Beach Clean-up Day.

1 Year of Lunch | After-School Peer Tutoring at Landstown High School

Freshmen Year | 2018-2019

During the study block of my ninth grade at Landstown, I was a registered Algebra peer tutor. In the library, during One Lunch* and during my study block, I peer tutored Algebra I, Algebra II, Geometry, Trigonometry, and Biology.

*One Lunch - A lunch system where the entire school building is open and the student body has 55 minutes to get and eat their lunch whenever.

Scuba Jammer Instructor's Assistant at Lynnhaven Dive Center

2017-2018

Twice per month, Lynnhaven Dive Center hosted an introductory scuba diving club for kids. During scuba diving practice and lessons in LDC's 20ft pool, I often setup scuba diving gear for other students while the Dive Instructor Gregory Curry talked/prepped them.

Assistant Instructor for Kid's BJJ Class at Impact Martial Arts Academy

2017

Taught and Instructed Technique in Kids Classes. Assisted Instructor Ervin Quintin with running and teaching kids classes. I had trained and competed in Brazilian Jiu Jitsu since I was 7 years old, so I was skilled in BJJ.

ACADEMIC AWARDS

Dean's List

Fall 2022 Semester at University of Virginia

Courses: Accelerated Organic Chemistry Lecture and Lab, Introduction to Engineering, Digital Logic Design, Calculus II

Academic Letter

Junior Year and Senior Year | 2020-2022

Received an Academic letter from Landstown High School my 11th grade and 12th grade for Academic Excellence; perfect Principal's list.

Principal's List x16

2018-2022

I achieved Principal's List every academic quarter of my high school career.