Ryan Venturi

Junior in the School of Engineering | University of Colorado Boulder

4181 South Ivy Lane
Englewood, Colorado 80111
Personal Number:
(303)-349-8839
Personal Email:
Venturiryan@gmail.com

EXPERIENCE

Pleiades Mental Health, Boulder Colorado
Founder and Chief Information Officer

January 2024 - Present

-Built Pleiades, an innovative mental health platform integrating cutting-edge technology with holistic therapy, currently scaling for a nationwide launch in March 2025. Available at **pleiadesmh.com**

-Engineered a platform with 150 unique features and over 30 fully integrated APIs, leveraging advanced cloud services like Firebase to deliver real-time, secure data management and functionality.

-Successfully led Pleiades through a $1M founder's round valuation, positioning the company as a future leader in the mental health tech space. The platform utilizes AI-driven insights, personalized matching algorithms, and seamless telehealth integration, redefining how clients interact with mental health services.

-Pleiades won the New Venture Creation class for its idea viability and potential impact on the world.

Zero Waste Outreach Team, Boulder Colorado

Summer of 2023 - Present

-Directed digital strategy for a 2,000+ follower account, driving engagement through data-driven social campaigns.

-Spearheaded multiple sustainability events across campus, integrating zero-waste initiatives and community outreach to enhance environmental consciousness reaching over 10,000 students a year.

Delta Tau Delta, Boulder Colorado—Petition Chairman

2022 - 2023

-Played an instrumental role as a founding father in establishing Delta Tau Delta at the University of Colorado.

-Oversaw the fraternity's transition from a temporary charter to a full-fledged chapter, and aligned with national fraternity standards and protocols.

Environmental Center Unhouse Assistance Program, Boulder Colorado - Program Creator

June 2024 - Present

-Launched a community-driven program that collected over 750 pounds of essential supplies, such as clothing, shoes, and hygiene products, distributed to over 1,400 unhoused individuals in collaboration with Feet Forward.

-Led strategic planning and partnerships, ensuring consistent impact in combating homelessness in Boulder and neighboring cities.

University Memorial Center Board Member, Boulder Colorado

2024 - Present

-Represented the Environmental Center in financial, marketing, and operational decisions for a facility serving 7,500+ visitors daily.

-Negotiated contracts and advocated for increased funding to expand campus-wide environmental initiatives, directly contributing to CU Boulder's 2030 climate agenda.

SPECIAL SKILLS

UI/UX Design: Expertise in Figma, and Adobe XD, creating intuitive, user-centered digital products.

Web Development: Advanced skills in full-stack web development, proficient in HTML/CSS, JavaScript, Node.js, and frameworks like React.

Cloud Computing: Experienced with Amazon Web Services (AWS), including EC2, RDS, and S3 for scalable, secure cloud infrastructure.

Firebase: Advanced usage of Firebase for database management, cloud functions, and real-time application development.

AI & Machine Learning: Strong understanding of AI tools such as ChatGPT, Claude Sonnet, DeepSeek, DALL-E, and Midjourney to create AI-powered features for innovative solutions. Experience includes building and training custom GPT models, enabling advanced automation and AI capabilities.

CAD: Advanced CAD modeling with SolidWorks, Onshape, and SketchUp, facilitating product and industrial design.

Adobe Creative Suite: Skilled in Photoshop, Illustrator, Lightroom, and XD for graphic design and digital media projects.

Arduino & Electronic Fabrication: Proficient in Arduino for electronics prototyping and IoT applications.

Laser Cutting & Engraving: Experienced with laser cutting/engraving for prototyping and manufacturing in digital fabrication labs.

3D Printing: Advanced skills in 3D printing, including design, prototyping, and operation of FDM printers for creating physical models.

CODING LANGUAGES:

C++: Intermediate, 2 years
Python: Advanced, 5 years
MATLAB: Advanced, 2 years
HTML/CSS: Advanced, 2 years
JavaScript: Intermediate, 1 year

EDUCATION

University of Colorado Boulder

-B.S. in Creative Technology and Design | School of Engineering | Expected Graduation May 2026

-Space Minor | School of Engineering | Expected Graduation | May 2026

-Engineering Management Minor | School of Engineering | Expected Graduation | May 2026

Denver School of Science and Technology, Cedar Campus

High School Diploma | August 2018 – May 2022
-Graduated with High Honors and Distinction

-National Honor Society Member 2019-2022

COMMUNITY:

FeetForward (Summer 2024-Present)**:** Provided support and helped collect life-saving supplies for over 1,400 individuals, ensuring essential items like clothing, water, and hygiene products reached those in need.

IvySky (2019-Present): Founded a mental health non-profit during my sophomore year of high school, creating a free mobile app designed to support teens and young adults on their journeys to mental health recovery.