Cade Kaminski

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EDUCATION & AWARDS

Colorado School of Mines, Golden Colorado **Expected December 2027**

- *Bachelor of Science in Mechanical Engineering* - Expected specialization in Business/Management GPA: 3.11
- Dean's List Recipient | Fall 2024
- Certified SolidWorks Associate (Mechanical Design) - Associate Level
- Awarded **$700** from Ball Corporation after placing 3rd in Innov8x Ball Challenge. Pitched a solution to optimize a thermal heating and cooling system in Ball's Corvallis, Oregon facility in front of a team of judges from the company
- Awarded **$3000** from iMasons Denver Mines Scholarship Challenge 2nd. Presented an AI data center designed technical solution, built economic model, and delivered a pitch to industry executive judges from iMasons, Cologix, DVL Group, H5 Data Centers, and STACK Infrastructure.

EXPERIENCE

Intramural Sports Video Production Colorado School of Mines **October 2024 – Present**

- Film, edit, and produce video content for Intramural Sports events to enhance engagement and promotion on social media.

Volunteer work at Platte River Academy **Summer 2025**

- Contributed 200+ volunteer hours at Platte River Academy supporting campus operations through groundskeeping, furniture relocation, and construction of retaining walls.

PROJECTS

Prototyping Fund/Innov8x ($300 awarded over 2 semesters) **Fall 2025 – Present**

Project Manager

- Lead a multidisciplinary team of five engineers through concept development, user research, and early prototyping of a smart snow goggles system while guiding stakeholder identification and technical development.
- Designed and 3D-modeled a wearable housing system for a smart snow goggle display, integrating visual and power components connected to a Raspberry Pi for real time slope statistics and on-mountain metrics.
- Evaluated challenges in optical projection and component reliability, gaining experience in hardware integration, rapid prototyping, and design constraints associated with AR systems and wearable device engineering.

Drone Package Delivery Mechanism **Fall 2025**

- Led a two-man engineering team in the design, prototyping, and testing of a drone mounted package delivery mechanism.
- Directed iterative CAD development and prototyping of the delivery box, hinge system, and release mechanism with an emphasis on reliability and manufacturability
- Defined system level requirements and constraints including payload capacity, reliability, weight limits, and integration with existing drone platforms

Derby Car **Fall 2025**

- Designed and fabricated a Cybertruck inspired derby car using manual milling, lathing, CNC machining, and CO_2 laser cutting to manufacture all components from raw aluminum, Delrin, acrylic, ABS, and steel.
- Produced precision wheels, bushings, and a CNC-milled spoiler while applying GD&T principles to all manufactured parts and ensuring compliance with strict dimensional and mass constraints.

ACTIVITIES

Crown Hill Church **Fall 2025 – Present**

- Volunteer as a member of a new church plant every week setting up for services on the weekends, run the audio tech for worship and the pastors, and greet those who arrive to the services

Oaks International **Fall 2025 – Present**

- Serve on the SALT leadership team, contributing significant volunteer hours to advance organizational goals.
- Coordinate and execute events that foster community engagement and spiritual growth, handling logistics, communication, and team collaboration.

SKILLS

Technical Skills: SolidWorks, Fusion 360, FEA, Mathcad, GD&T, Arduino, EES, CNC, LabVIEW, C++, 3D-Printing, Mill, Lathe, Welding, Agile, Root Cause Analysis, Video Editing, Technical Writing, Public Speaking, MS Office