Joe Zakrzewski

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EDUCATION

Front Range Community College	**GPA: 2.8**
Associates of Science	*Aug. 2019 – May. 2024*
University of Colorado at Boulder	**GPA: 3.8**
BSc. Computer Science	*Aug. 2024 – May. 2026*

TECHNICAL SKILLS

Languages: C/C++, Python, SQL, MQL, HTML
Developer Tools: Git, JupyterLab, MySQL, MongoDB Compass, Solidworks CAD, Docker
Relevant Coursework: Data Structures, Database Systems, Computer Systems, Data Science, Software Development, Operating Systems
Manufacturing Skills: Hypertherm CNC Plasma Cutters, Hurco Conversational Programming, TRUMPF Punch Programming and Operating, Miller Robotic Welding, Cincinnati Press Brake Programming

EXPERIENCE

Design Engineer II — Oct 2020 – Aug 2024
Summit Bodyworks — *Fort Lupton, CO*

- Designed 3D Models and detailed drawings of commercial products for Penske Truck Rental
- Designed 3D Models and detailed drawings for lumber hauling trailers for Alpine Lumber and Penske Truck Rental
- Designed and developed improvement modules such as fixtures and processes to improve productivity and quality
- Designed 3D Models and detailed drawings for all current standard product designs offered by Summit Bodyworks
- Developed standard document templates and Solidworks models to streamline the design process for more consistency
- Produced and maintained Bill of Materials for products I designed

Engineering Tech — July 2019 – Oct 2020
Summit Bodyworks (Branched from Transwest) — *Fort Lupton, CO*

- Programmed, Operated, maintained, and trained personnel on TRUMPF and Miller CNC equipment
- Worked closely with design engineers in Solidworks to improve company product designs
- Designed and Implemented fixtures and templates to help automate processes

Assembly Technician — March 2014 – July 2019
Alfred Industries (Acquired by Transwest) — *Henderson, CO*

- Aluminum and Steel MIG Welding
- Certified CNC Plasma Table Operation and Preventative Maintenance
- Certified Miller Robotic Welder Programmer and Operator
- Certified CNC Press Brake Operation
- Hurco CNC Mill Operation and Conversational Programming
- Product Assembly Line Team Member
- Quality Control Team Member

SIDE PROJECTS

Personal Movie Database | *C++ and MySQL* — 2024

- Built using C++ and MySQL to hold personally owned movies information such as Title, Producer, Lead Actor, Release Date
- Supports CRUD operations

Tic-Tac-Toe | *C++* — 2022

- Supports options for either single player vs computer or player vs player
- Designed with OOP in mind

Scientific Calculator | *C++* — 2021

- Integrates the C++ math library
- Mathematical Algorithms
- Data Structures