

# Blaizun Diamond

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## EDUCATION

UNIVERSITY OF COLORADO BOULDER, Boulder, CO

December, 2024

*Bachelor of Arts in Computer Science*

*Minor in Communication, Technology and Design*

- GPA: 3.05
- *Relevant coursework: Computer Systems, Software Development Methods, Intro to Artificial Intelligence, Natural Language Processing*
- *Chosen works presented in the 2023 ATLAS Expo*

## TECHNICAL SKILLS

C, C++, Python, Javascript, Web Development, SQL, HTML, CSS, Scala, Scrum, Git, Docker, Visual Studio, Nmap, Wireshark, Hashcat, Burp Suite, Adobe Photoshop, Adobe Illustrator, Lightroom, Premier Pro, InDesign, Blender, After Effects, p5.js, Figma, Natural Language Processing, Data Science, Object Oriented Data Modeling, PyTorch, Linux, Shell Scripting, Genetic Algorithms, Latex, Data Science, Statistics, Node.js, Express.js, Discrete Mathematics, Calculus, Flask, Cross-Site Scripting, Cross Site Request Forgery, Penetration Testing, SQL Injection, Java, Gradle

## PROJECTS

TUPLE TRIVIA Web App

*Full Stack Developer*

March, 2023 – April, 2023

- Provided leadership for the 5 man team and held bi-weekly scrum meetings to complete milestones within strict deadlines.
- Took lead on front-end development and designed 100% of the user interface to flow smoothly and appeal to target users..
- Assisted teammates in writing and implementing 15+ user stories and deciding necessary app features to fit project needs and time budget.
- Deployed a fully functioning online 1v1 trivia game using docker, Express.js, PostgreSQL API calls, and socket.io. Completed in under a month.

MINI-JAVASCRIPT INTERPRETER

*Teammate*

September, 2022 – December, 2022

- Created a mini Javascript interpreter in a team of two over the course of a semester using scala.
- Maintained a strictly functioning root using strong command of git and excellent communication with team member(s).
- Learned valuable lessons in the practice of functional programming and in sharing a code base with another person.

VOTEPEDIA

*Researcher*

October, 2023 – December, 2023

- Explored design problem space and implemented HCI practices in order to create a mock app that encouraged young people to engage in politics.
- Built a fully fledged prototype using Figma.
- Conducted 2 rounds of interviews with 4 users each to devise a list of user needs to design around.
- Wrote professional documentation of progress and design rationale on a weekly basis until the project was completed.

CU COMPOSTING MACHINE CONSULTING REPORT

*Researcher*

February, 2023 – May, 2023

- Met with stake-holders on a weekly basis to discuss solutions to CU Boulder Composting issues.
- Assembled data on students and staff to measure sentiment, awareness, and engagement in composting.
- Met with and interviewed outside stakeholders at CSU and Poudre Valley School District to support our proposed solution.
- Assisted the team in writing a 13 page consulting report detailing the findings and solution.

## EXTRA CURRICULAR ACTIVITIES

- **CU Cybersecurity Club**, Member
- **CU3D Club**, Member

December, 2023 – Present  
August, 2024 – Present