

Blaizun Diamond

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EDUCATION

University of Colorado Boulder

Bachelor of Arts in Computer Science, Minor in Design

Boulder, CO

Aug. 2019 – Dec. 2024

EXPERIENCE

Webmaster

The Mountain Ear

April 2025 – Present

Nederland, CO

- Conducted a full redesign of the news page to fit a modern aesthetic
- Manage incoming content and continuously maintain website layout to engage readers
- Create graphics and stock images as needed for various in-house ads and other website necessities

PROJECTS

Fake Job Detection | *Python, PyTorch, Matplotlib, PyEnchant*

April 2024 – May 2024

- Conducted a research project to fine tune and test a LLM using PyTorch and our own data
- Implemented our experiment through Google's BERT model and a fake job listing data set from kaggle
- Developed our own features based on observation of fake job listings and our own hypotheses
- Used Matplotlib to plot our results and visualize our model for education purposes

Tuple Trivia | *JavaScript, Express.js, PostgreSQL, Socket.io, Git, Docker*

April 2020 – May 2020

- Provided leadership for the 5 person 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 user
- Assisted teammates in writing and implementing 15+ user stories and deciding necessary app features to fit project needs and time budget
- Deployed our app as a fully functioning online 1 vs 1 trivia game via Microsoft Azure

Graphics Research Project | *C, OpenGL, GLSL*

Oct. 2024 – Dec. 2024

- Created a grassy wind-swept plain using OpenGL
- Learned all necessary methodologies to accomplish smooth performance and pleasing visuals through self guided exploration into uncovered topics in rendering and shaders
- Created a LOD system to reduce system load
- Created wind system by employing shaders and noise functions

Votepedia | *Figma*

Oct. 2023 – Dec. 2023

- Explored design problem space and implemented HCD practices to create a mock app that encouraged young people to engage in politics
- Built a fully fledged prototype of our website in Figma
- Conducted 3 rounds of interviews with target audience to devise a list of user needs to design around
- Wrote professional documentation of progress and design rationale on a weekly basis until project completion

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres, MySQL), JavaScript, TypeScript, HTML/CSS, GLSL, PHP

Frameworks: React, Node.js, Flask, JUnit, WordPress

Developer Tools: Git, Docker, VS Code, IntelliJ, Burp Suite, Jira, Hashcat, Cassandra, Wireshark, Postman, Nmap, Microsoft Azure

Libraries: pandas, NumPy, Matplotlib, p5.js, three.js, PyTorch, OpenGL, Redux, jQuery

Creative Software: Photoshop, Blender, Illustrator, Figma, InDesign, Lightroom, Premiere Pro