

DUNCAN BRITT

Littleton, CO

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SUMMARY

Computer Science student. Open to all opportunities. Website: **duncanbritt.com**

EDUCATION

University of Colorado, Boulder
B.S., Computer Science

Expected Graduation: May 2025
Boulder, CO

Arapahoe Community College
A.S., Computer Science, *Summa Cum Laude*

Graduated May 2023
Littleton, CO

TECHNICAL STRENGTHS

Computer Languages	Proficient in C++, C, JavaScript, Ruby, HTML/CSS. Familiar with Python, Go, Scheme, OCaml, and MIPS Assembly Language
Protocols & APIs	The DOM, HTTP
Databases	PostgreSQL
Tools	Git, Emacs
Other	Basic Soldering

EXPERIENCE

Genetic Logic Lab at CU Boulder
Software Developer

May 2023 - Present
Boulder, CO

- The research in the lab focuses on the interdisciplinary synthetic biology work in the overlap between electrical engineering, mathematical modelling, and genetic biology. Working on the creation of genetic design automation programs similar to electronic design automation programs for circuit designs.
- Design, develop and modify software systems.
- Collaborate with others to determine design specifications or details.

Parrent Technology Solutions
Coding Instructor

April 2023 - May 2023
Denver, CO

- Taught a 6-week coding class to children aged 8-11 at Sherrelwood Elementary School.
- Instructed students individually and in groups, using teaching methods such as lectures, discussions, and demonstrations.
- Established and enforced rules for behavior and procedures for maintaining order among the students.

ACC Robotics Team
Lead Programmer

October 2022 - May 2023
Littleton, CO

- Funded by NASA's Colorado Space Grants Consortium, built an autonomous mobile robot.
- Wrote, analyzed, reviewed, and rewrote programs, applying knowledge of computer capabilities and robotics.
- Compiled and wrote documentation of program development and subsequent revisions, inserted comments in the coded instructions so others could understand the program.
- Assigned, coordinated, and reviewed work and activities of programming personnel.
- Trained subordinates in programming.

Arapahoe Community College*CS, Math & Physics Tutor*

August 2022 - Present

Littleton, CO

- Provided private instruction to individual students to improve academic performance.
- Reviewed class material with students by discussing text, worked solutions to problems, and reviewed assignments.
- Taught students study skills, problem-solving skills, and test-taking strategies.

Third & James Recording Studios*Audio Engineer*

November 2018 - September 2021

Denver, CO

- Recorded music and speech on recording media, using recording equipment.
- Conferred with producers, performers, and others to determine and achieve the desired sound for a production.
- Set up, tested, and adjusted recording equipment for recording sessions and live performances.
- Identified equipment problems and adapted to them during recording sessions.
- Trained interns in Audio Engineering.

PROJECTS

SeqImprove - Genetic Logic Lab at CU Boulder*Developer*

Ongoing

Boulder, CO

- Application for curating and annotating SBOL designs.
- <https://seqimprove.synbiohub.org/>

School Assignment Tracker*Developer*

July 2022

Littleton, CO

- Capstone Project for Computer Science II in C++. To-do list application with query language interface.
- <https://bit.ly/3NHITVY>

Software Generated Word Ladder Puzzles, Web App*Developer*

January 2022

Littleton, CO

- Implemented the full stack including the generation of puzzles, account creation, deletion, login/logout, public leaderboard, and account history. Used PostgreSQL.
- <https://bit.ly/3nFnR39>

Templating Language for Frontend Web Development*Developer*

January 2022

Littleton, CO

- Designed the language, implemented the compiler, (lexer, parser, code-generator), and API using JavaScript. Created the documentation website using the language.
- <https://bit.ly/3tGgjYl>

Tic-Tac-Toe*Developer*

September 2021

Littleton, CO

- Developed using the Ruby programming language.
- <https://github.com/Duncan-Britt/Tic-Tac-Toe#readme>