

Duncan Britt
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On my portfolio website: <https://bit.ly/33YNmMy> you'll find in depth explanations of my highlighted projects, source code, other technical writing, and more.

Education

Bachelor of Science in Computer Science: In Progress

I'm currently attending Arapahoe Community College and intend to transfer to the University of Colorado at Boulder in Fall 2023. I have a 4.0 GPA.

Littleton High School, Graduated 2016

Experience

Developer: School Assignment Tracker - <https://bit.ly/3NHITVY>

This was my Capstone Project for my second semester Computer Science course in C++ which I have since used to keep track of all my school assignments. The program allows you to perform all your basic CRUD operations that you would expect from a to-do-list app by using a query language.

Developer: Splice: A templating language for front end development - <https://bit.ly/3tGgjYl>

Designed the language, implemented the compiler, (lexer, parser, code-generator), and API using JavaScript. Created the documentation website for Splice using Splice.

Developer: Software-Generated Word Ladder Puzzles, Web App – <https://bit.ly/3nFnR39>

Implemented the full stack including the generation of puzzles, account creation, deletion, login/logout, public leaderboard, and lazy-loaded account history of previous solution. Used Sinatra, ERB, and PostgreSQL for the backend.

Other Experience: I'm currently in the role of programmer on the robotics team at ACC, funded by NASA's Colorado Space Grants Consortium. We are working to build an autonomous robot that will emulate a Mars rover. I'm also employed by the college as a math tutor, which in my case also includes helping students who are struggling with computer science and physics.

Skills

Programming Languages:

Proficient in C++, JavaScript and Ruby; Familiar with Go, Python, C, Scheme, OCaml and MIPS Assembly Language

Other Technologies & Tools

The DOM, Sinatra (web framework), basic PostgreSQL, basic git, HTML & CSS