

Bradley Heller Jr.

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Education

The University of Texas at Dallas

August 2020 – May 2023

B.S, Computer Engineering

GPA: 3.62

Collin College

September 2018 – May 2020

A.S, General Studies

Relevant Coursework

Discrete Math, Software Engineering, Data Structures and Algorithms, Database Systems, Embedded Systems, Operating Systems Concepts, Artificial Intelligence, Computer Networks, Programming Language Paradigms.

Technical Skills

Programming Languages: C, C++, Java, Python, HTML, CSS

Operating Systems: Windows, Linux/UNIX

Software: MATLAB, PSpice, MS Office, MySQL, Eclipse, JetBrains IDEs, Docker, Git

Academic Projects

Senior Design – Software Defined Radio LoRa Transceiver

September 2022 – May 2023

- Worked as the lead engineer in a team of 6.
- Developed programs using Python and C to interact with software defined radios and microcontrollers.
- Created thorough documentation that allowed 2 employees of our project sponsor to replicate our work.

Artificial Intelligence – AI Search Algorithms

February 2023

- Used python to develop a terminal application to solve the 8-piece puzzle problem.
- Implemented 4 different search algorithms to test which is the quickest.
- Utilized my knowledge of data structures and algorithms to make the search algorithms function efficiently.
- Created short documentation on how to run the program on any machine.

Work Experience

McKinney Independent School District

McKinney, TX

AVID Tutor

September 2018 – May 2023

- Taught hundreds of high school seniors how the college scholarship and application processes work, resulting in over four million dollars in scholarships being awarded.
- Led groups of high school students to be effective in group work through collaboration and inquiry.
- Trained other AVID tutors to be effective in managing groups.

References available upon request.