

Brett Woodcock

B.A. in Computer Science, Emphasis in Mathematics
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Education

High School Diploma - Byron Nelson High School - Trophy Club, TX

Spring 2021

- Graduated with a 3.98 GPA and a 5.8 weighted GPA

Bachelor of Science: Computer Science - Texas A&M University - College Station, TX

Spring 2025 (Expected)

- 3.71 GPA
 - *Computer Science Coursework:* Computer Architecture and Systems, Data Structures and Algorithm Analysis, Discrete Structures, as well as a multitude of programming courses.
 - *Math Coursework:* Calculus 1-3, Differential Equations, Discrete Mathematics, Linear Algebra, and Statistics.
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Skills

❖ C++ ❖ Java ❖ Python ❖ Git ❖ html ❖ R ❖ Program Design/Analysis ❖ Team Coordination ❖

Projects/Experience

Chemistry Helper (JAVA project / Individual)

A full stack application to reduce the busy work of chemistry courses.

- The front end provides a graphical user interface with buttons, keyboard, and slider inputs.
- The back end reads and stores information about elements in a database and includes a state manager which navigates and communicates between different page objects.

Space Combat Game (JAVA Project / Individual)

Utilized Greenfoot in Java to create a space shooter arcade game similar to Galactica.

- Dealt with aspects like moving objects and collisions.
- Implemented and communicated across many objects across a class hierarchy.

Virtual CPU (Architecture Project / Team)

Designed and built a virtual CPU on logic software that could run machine code.

- Studied how high-level programs are converted to assembly and machine code and then executed on hardware.
 - Specified and parameterized functions, inputs and outputs for the units within the CPU for our team to accomplish a more seamless integration.
 - Worked individually as well as with team members to design and virtually build various CPU units.
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Extracurriculars/Service

Sophomore Leadership Organization Promoting Equality (SLOPE), Fall 2022 - Spring 2023

- Broadened my understanding and appreciation for diverse perspectives and people.
- Participated in community service events such as volunteer work at food drives and street cleanups.
- As a member of the fundraising committee, I organized profit shares, bake sales, and event nights.
 - Proceeds went to SLOPE events and low-income households struggling with healthcare costs.