

Collin Winstead

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OBJECTIVE

I am looking for experience in the field of web development, and to hone my skills in game development.

EDUCATION

University of Tennessee at Martin

Martin, TN

Bachelor of Science in Computer Science; GPA: 3.78/4.0

Expected May 2022

Relevant Coursework: Web and Mobile Development, Software Engineering, Computer Graphics, Data Mining & Information Retrieval, Data Structures, Algorithm Design & Analysis, Computer Operating Systems

SKILLS

- **Languages:** JavaScript, Python, C#, C++
- **Technologies:** Git, GitHub, MongoDB, WPF
- **Libraries:** Node.js, React.js, Mongoose, Express.js, Axios, Three.js, tkinter, OleDb, WebGL

PROJECTS

- **Learning Algorithms on the Web:** A website that can be used as a tool to learn about algorithms.
 - Implemented the back end of the website.
 - Implemented a back end server, server routes and database models.
 - Implemented http requests to the server from the front end.
 - Link: [Learn Algorithms](#)
- **GambleMania:** A simple app that allows you to play blackjack, three-card poker, and roulette.
 - Worked with a MS Access database to securely store user data.
 - Designed parts of the UI.
 - Integrated design patterns into the app.
- **Gravity Simulation:** Simulates gravity between celestial bodies using Three.js.

EXPERIENCE

University of Tennessee at Martin STEM Lab

Martin, TN

Computer Science & Math Tutor

August 2020 - May 2021

- **Responsibilities:** Provided instruction to computer science and math students.

ADDITIONAL EXPERIENCE & ACHIEVEMENTS

- Graduated from Dresden High School as a **Tennessee Scholar** with a rank of 13 out of 82.
- Member of the **National Beta Club** from grade 5 to grade 12.
- **Co-author** of a published abstract of the *Learn Algorithms on the Web* project above.
- Elected as a *Treasurer* for **ACM UTM Student Chapter** at the University of Tennessee at Martin.