

# Collin Winstead

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793 Gaylord Rd. Dresden, TN

## OBJECTIVE

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

## EDUCATION

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### University of Tennessee at Martin

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

Martin, TN

*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

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- **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

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- **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

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### University of Tennessee at Martin STEM Lab

*Computer Science & Math Tutor*

Martin, TN

*August 2020 - May 2021*

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

## ADDITIONAL EXPERIENCE & ACHIEVEMENTS

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- 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.