

# Zach Bianucci

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## SUMMARY

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Self-motivated and highly reliable university student positioned to contribute strongly to computer science, software development, and cyber security. Boasts an ideal balance of strong programming knowledge and outstanding peer communication while having experience in a variety of fields. Seeking to challenge social and technical skills in a professional environment to help build strength for a future career.

## EDUCATION

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### **University of Tennessee at Chattanooga, Chattanooga, TN**

- Bachelor's in Computer Science: Cyber Security- May 2023
- 4.0 Cumulative GPA

## EMPLOYMENT

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### **UTC Chemistry Research, Chattanooga, TN – Research Assistant**

September 2021 – Current

- Technology leader for computational chemistry
- Solve technical and server issues on MacOS
- Collaborate with the UTC SimCenter to compute chemistry data with their supercomputer

### **Plastic Omnium, Chattanooga, TN – Information Technology Intern**

May 2021 – August 2021

- Directly assisted the plant's head IT Engineer for an industry leading car part manufacturer
- Provided Level 2 IT support to 100+ workers in the office and production floor
- Troubleshoot engineering applications, Microsoft applications, and server issues in a Windows 10 environment

### **UTC Cyber Security Research, Chattanooga, TN – Research Assistant**

December 2020 – April 2021

- Designed a cyber security cloud-based web application with the research team
- Created a backend task scheduling system with Python, MySQL, and Linux that could handle thousands of user requests

### **YMCA Camp Lakewood, Potosi, MO – Cabin Counselor**

June 2020 – August 2020

- Worked during the COVID-19 pandemic and adhered to all social distancing and CDC guidelines
- Responsible for a dozen children 24 hours for 6 days a week
- Led a variety of activities for the campers

### **Cleveland City Pools, Cleveland, TN – Assistant Manager**

May 2018 – August 2019

- Assisted the manager in pool upkeep and repair
- Oversaw and provided leadership for a team of lifeguards
- Assumed duties of a manager in his/her absence

## PROJECTS

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### **Hopeshaventn.com** – Non-profit Website

- Developed a website for the non-profit Hope's Haven, a Christ-centered camp for children with special needs
- Hosted via Github Pages using HTML, CSS, and JavaScript

### **Particle** – Java Game

- Coded a fully functional arcade-style video game that includes music, difficulty settings, customizations, and a 12-minute game
- Featured on my website: [zbianucci.github.io](http://zbianucci.github.io)

### **Galaxy Defenders** – JavaScript Videogame

- Produced a 2D tower defense game using vanilla JavaScript
- Incorporated animated graphics into the gameplay, which can be seen on my website: [zbianucci.github.io](http://zbianucci.github.io)

## PROGRAMMING LANGUAGES

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### **Advanced**

- Python
- JavaScript
- Java

### **Moderate**

- HTML and CSS
- PHP
- SQL

## INVOLVEMENT

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UTC Swim Club – Vice President, Outreach Officer

UTC Cycling Club

MocSec Cyber Security Student Organization

Alpha Lambda Delta Honor Society

Phi Eta Sigma Honor Society

## RELEVANT COURSEWORK

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Fundamentals of Computer Science

Data Structures & Program Design

Principles of Information Security

Software System Design & Development

Ethics in Computer Science

Calculus II

## PROFESSIONAL SKILLS

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Self-motivation

Verbal Communication

Decision-making

Logical Reasoning

Integrity