Koi **McFarland**

COMPUTER SCIENCE ENGINEER · SELF TAUGHT PROGRAMMER · AI TRAINER

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Summary

Passionate and self-taught software developer and engineer with a proven work ethic, demonstrated through success in fast-paced environments and highly demanding academic settings. Currently pursuing a Computer Science degree with a minor in Mathematics and a GPA above 3.90. Proficient in C++, Java, and Python, with additional experience in C, C#, JavaScript, and AI development. Skilled in both object-oriented and procedural programming, with hands-on knowledge of full-stack development, database management, and Linux systems. Experienced in game and simulation development using Unity, Godot, and Unreal Engine 5, as well as Git/GitHub version control. Strong background in collaborative problem-solving, demonstrated through ICPC/CCPC programming competitions and complex team-based academic projects.

Education

Charleston Southern University   *North Charleston, SC*
B.S. IN COMPUTER SCIENCE AND ENGINEERING   *Expected graduation May 2027*
- SC LIFE Scholarship Recipient
- CSU Jairy C. Hunter Scholarship Recipient
- Dean's List: 2023, 2024

Current Employment

DataAnnotation   *New York, NY (Remote)*
SOFTWARE DEVELOPER - AI TRAINER (CONTRACT)   *Apr. 2024 - Present*
- Trains AI's coding abilities by examining, scrutinizing, and rewriting their code.
- Grades the AI's code based on a list of questions and criteria given by the company.
- Write a comprehensive report on how the AI performed while writing code.

Charleston Southern University   *North Charleston, SC*
COMPUTER SCIENCE TUTOR   *Jan. 2025 - Present*
- Tutor and mentor CSU students in various Computer Science courses.
- Courses include:
  - Practical Programming (CSCI 217), Programming in Alice (CSCI 215), Procedural Programming (CSCI 235).
  - Survey of Scripting Languages (CSCI 301), Data Structure Analysis (CSCI 315).
  - Applied Networking (CSCI 332), Object-Oriented Programming (CSCI 325), Database Management (CSCI 419).

Programming Competitions

2024	**1st Place - CofC D2**, ICPC NA SOUTH DIVISION	*Charleston, SC*
2024	**Top 10 - Cofc D2**, ICPC NA SOUTH DIVISION	*Charleston, SC*
2024	**Top 10 - FU**, CCSC SE REGION	*Greenville, SC*
2023	**Top 20 - CCU**, CCSC SE REGION	*Conway, SC*

Personal Projects

True Size Of Games   *www.truesizeofgames.com*

PROJECT DESCRIPTION
- Displays the scale of popular video game maps compared to real-world geography.

TECHNICAL DESCRIPTION
- Built as a static site using JavaScript, HTML, and CSS, with the Leaflet library powering the interactive world map.
- Fully optimized as a Progressive Web App (PWA) with top scores in SEO, accessibility, and performance.
- Hosted on Netlify with the source code maintained in a GitHub repository.

GITHUB REPOSITORY
- Private repository — access available upon request via email or phone.