

Nikolas Thornton

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nthorn.com
github.com/nTh0rn

Experience

Computer Science Tutor | Kennesaw State University | Aug 2024 - Dec 2024

- Tutored undergraduate Computer Science students in Java / C# / Python.

Tutor/Front Desk Assistant | Clayton State University | Nov 2022 - May 2024

- Tutored undergraduate students in Java / Python / Calculus 3.
- Handled administrative tasks and oversaw the front desk.

Teaching Assistant | Clayton State University | Aug 2023

- Assisted professors during a week-long all-day math bootcamp for incoming freshmen.

Legal Assistant | Leanne P. Cooper, P.C. | Feb 2021 - Dec 2021

- Drafted legal documents, organized discovery, and archived closed cases.

Education

Sophomore | B.S. in Computer Science | 4.0 GPA

- Georgia Institute of Technology | Graduating May 2027
- Kennesaw State University
- Clayton State University

Activities

Math Club Vice-President | Clayton State University | Spring 2024

- Formerly the Treasurer in Fall 2023.
- Regularly led meetings, gave presentations, and organized presentations from professors.
- Organized engaging events to promote an appreciation of math amongst students.

Computational Physics Research | Clayton State University | Fall 2023 - Fall 2024

- Lead student researcher under Dr. Dmitriy Beznosko at Clayton State University.
- Poster won 1st Place at Clayton State University's 2024 CIMS Symposium.
- Presentation scored 15 out of 18 points at the APS 2024 March Meeting.
- Developed a low-cost photon-based hardware random number generator.
- Programmed all physical hardware and developed all analysis software in Python.

Projects

Many more projects at nthorn.com/projects

Dynamic Sudoku Solver | Rust | Sep 2024

- A Sudoku solver capable of solving puzzles of any size or complexity.

Integer-only Raycaster | Windows Batch | May 2024

- A raycaster developed with no trigonometric functions or floating point arithmetic.

Awards

1st Place Research Poster

CSU CIMS 2024 Symposium

Employee of the Month

KSU CCSE Tutoring Center | Aug 2024

2nd Place AI Project

KSU AI Club's 2024 Hackathon

President's List / Launchpad Scholarship

CSU | Fall 2022 - Spring 2024

Skills

- Python | Java | C# | C++ | Rust
- Git | Batch | Bash
- HTML | CSS
- Arduino | Serial Communication
- GameMaker Studio | Game Design
- Leadership | Collaboration
- Teaching | Communication
- Administration