Nikolas Thornton

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Experience

Computer Science Tutor ——— KSU's CCSE Tutoring Center — (Fall 2024)
- Tutored undergraduate computer science students (Java/C#/Python).

Tutor/Front Desk Assistant — CSU's CAS Tutoring Center ——— (Fall 2022 – Spring 2024)
- Tutored undergraduate students (Java/Python/Calculus 3).
- Handled administrative tasks and oversaw the front desk.

Teaching Assistant ————— Clayton State University ——— (Fall 2023)
- Assisted professors during a week-long all-day bootcamp for incoming freshmen.
- Taught mathematical and teamwork skills for inside and outside of the classroom.

Legal Assistant ——————— Leanne P. Cooper, P.C. ——— (Feb 2021 – Dec 2021)
- Drafted legal documents, straight-typed/organized discovery, archived closed cases.

Coding Mentor (Volunteer) —— CoderDojo McDonough ————— (Feb 2017 – Aug 2018)
- Taught a class on the basics of GameMaker to grades K-12 once a month.
- Assisted with other classes ranging from Scratch to Arduino.

Education

College Sophomore, 4.0 GPA, Bachelor of Science in Computer Science, Grad Spring 2027
- Georgia Institute of Technology (Spring 2025 – Spring 2027)
- Kennesaw State University (Fall 2024)
- Clayton State University (Fall 2022 – Spring 2024)

Academic Achievements

Clayton State University Math Club Vice-President (Spring 2024)
- Formerly the Treasurer (Fall 2023).
- Regularly lead meetings and organized talks from professors.
- Gave multiple talks on topics including fractals, chess, and ray-casting.
- Hosted engaging events to promote an appreciation for math amongst students.

Computational Physics Research (Fall 2023 – Fall 2024)
- Developed a low-cost photon-based hardware random number generator.
- Lead student researcher under Dr. Dmitriy Beznosko at Clayton State University.
- Won 1st Place at Clayton State University's 2024 CIMS Symposium.
- Presentation scored 15 out of 18 points at the APS 2024 March Meeting.
- Programmed all physical hardware and developed all analysis software in Python.

Skills

- Python, Java, C#, C++, Rust
- Git, Batch, Bash
- HTML, CSS
- Arduino, serial programming
- GameMaker / GML, game design
- Communication
- Teaching

Awards

1st Place Research Poster
- CSU's 2024 CIM's Symposium

2nd Place AI Project
- KSU's AI Club's 2024 Hackathon

Employee of the Month
- KSU's CCSE Tutoring Center, Aug 2024

President's List / Launchpad Scholarship
- Clayton State University, 2022-2024