Nikolas P. Thornton
Atlanta, GA | contact@nthorn.com | nthorn.com | GitHub | LinkedIn

EDUCATION

Georgia Institute of Technology, Atlanta, GA   Jan 2025 – Dec 2027
Bachelor of Science in Computer Science
GPA: 4.0/4.0

Kennesaw State University, Kennesaw, GA   Aug 2024 – Dec 2024
Bachelor of Science in Computer Science
GPA: 4.0/4.0

Clayton State University, Morrow, GA   Aug 2022 – May 2024
Bachelor of Science in Computer Science
GPA: 4.0/4.0

Relevant Coursework: Data Structures & Algorithms, Discrete Mathematics, Calculus 3

Technical Skills

Languages/Technologies	–	Java, Python, C#, C++, C, Rust, Windows, Linux, Git
Database Technologies	–	SQLModel, SQLAlchemy, GraphQL, Graphene/Strawberry
Web/Cloud Technologies	–	HTML, CSS, Tailwind, Astro, AWS, FastAPI

Work Experience

Ansys, Atlanta, GA   May 2025 – Dec 2025
Cloud, AI, Solutions, and Enablement Intern
- Developed internal cloud-based tools for the purpose of supporting machine learning models.

Kennesaw State University, Kennesaw, GA   Aug 2024 – Dec 2024
Computer Science Tutor
- Tutored Object-Oriented Programming in Java, C#, and Python.

Clayton State University, Morrow, GA   Nov 2022 – May 2024
Tutor / Front Desk Assistant
- Tutored undergraduate students Object-Oriented Programming in Java and Python, as well as mathematics up to Calculus 3.

Leanne P. Cooper P.C., McDonough, GA   Feb 2021 – Dec 2021
Legal Assistant
- Drafted legal documents, straight-typed discovery, and archived closed cases.

Programming Projects | See more at nthorn.com/projects

Chess Engine (C++) | GitHub   Dec 2024
- A built-from-scratch chess bot / engine rated at ~1600 Elo, playable at lichess.org/Terconari.
- NegaMax with alpha/beta pruning, iterative deepening, time-control dependent logic, and more.

Dynamic Sudoku Solver (Rust) | GitHub | Article   Sep 2024
- A dynamic sudoku solver capable of solving puzzles of any size or complexity.
- Stack-based backtracking, hidden single candidate elimination, and more.

Activities

Math Club Vice President, Clayton State University   Jan 2024 – May 2024
- Formerly the Treasurer in Fall 2023.
- Regularly led meetings, gave presentations, and organized presentations from speakers.
- Organized engaging events to promote an appreciation of math amongst students.

Computational Physics Research, Clayton State University   Aug 2023 – Aug 2024
- Developed a low-cost photon-based hardware random number generator.
- Lead student researcher under Dr. Dmitriy Beznosko.
- Programmed all physical hardware and developed custom analysis algorithms in Python.
- Won 1st at Clayton State's 2024 CIMS Symposium. Rated 15/18 at APS 2024 March Meeting.