

# Nicholas L. Audinet

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## Education

Georgia Institute of Technology | Bachelor of Science | August 2021 - May 2024 (Expected)

- Major: Computer Science
- GPA: 4.0

River Ridge High School | High School Diploma | Valedictorian | August 2017 - May 2021

## Experience

Agile Communication Architectures VIP | January 2023 – Present

- Working with a professor and other students on accurate indoor localization using WiFi signals.
- Researched and presented possible ML solutions as part of the algorithms subteam, while also helping to implement a recurrent neural network achieving sub-5-meter accuracy on our dataset.

Machine Learning Class Project | September 2022 – December 2022

- Worked with my team to predict Texas energy demand from meteorological data.
- Designed a neural network architecture as well as implemented dimension reduction with PCA on our dataset.

Objects and Design Project | January 2022 – May 2022

- Researched android design principles to lead my group in developing a tower defense game and meeting implementation deliverables.
- Created various design documents to map out relationships between classes.

## Side Projects

C++ Tetris clone made with SDL2 | July 2023

Solved cryptography, reverse engineering, web security challenges at WreckCTF | October 2022

Sudoku Solver using OpenCV | June 2022

## Skills & Abilities

Python, Java, Android, Scikit learn, Numpy, Keras, C, C++, Pandas, SQL, PyTorch, Public Speaking

## Awards

WreckCTF 2022 1<sup>st</sup> place prize | October 2022

HackGT 8 CTF 3<sup>rd</sup> place | October 2021