

Thomas Gingerelli III

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tgsworkshop.com

Experiences / Achievements

Boy Scouts of America, Lyndhurst NJ

November 2020 - Eagle Scout

New Jersey State Congress, Trenton NJ

July 2022 - US Congressional District NJ-11 Everyday Hero

Florida Institute of Technology, Melbourne FL

May 2025 - Bachelor of Science, Software Engineering

Skills

Languages

- Java
- Python
- Haskell
- C and C++
- SQL

Technical

- Database Management
- Code Review
- Git
- CI/CD Pipeline

Independent Projects

Student Code Online Review and Evaluation (SCORE)

Published Project - Full Stack Development

- Designed SCORE, a robust system for real time feedback for programming assignments and automated grading.

Keyboardless Typing

Academic Research Project - Backend Development

- Created a machine learning model and software system that used web camera live stream to read key presses without a keyboard by matching hand patterns to commonly typed keys.

ProjectE

Open Source Project - Backend Development

- Primary Java contributor on updating the system to the modern release, for the newest Minecraft version.

Self Driving Car Redesign,

Corporate Project - Embedded Systems

- Utilized C++, CAD, and additive manufacturing tools to design and program a self-driving car kit that can be used for high school education on autonomy.

Course Work

Florida Institute of Technology, Melbourne FL

August 2022 to December 2022 - Data Structures and Algorithms

August 2023 to December 2023 - Database Systems Management

August 2023 to December 2023 - Operating System Concepts

August 2023 to December 2023 - Programming Language Concepts

January 2024 to May 2024 - Software Metrics and Measurements

January 2025 to May 2025 - Introduction to Machine Learning

Work Experience

Boy Scouts of America, Rockaway NJ

June 2015 to August 2022- Science Technology Engineering Math Director

- Program planning, student engagement, educational instruction, and team management.

Self Employed, Melbourne FL

August 2021 to Current - Private Programming and Math Tutor

- Acquire customers, scheduling meetings, and educational instruction of computer science topics, programming languages, and mathematics.

Tassat Group Incorporated, New York City NY

May 2022 to August 2022 - Intern Software Developer

- Responsible for JUnit testing, database management, and backend development for financial technology systems.

Spark Inno Labs, Melbourne FL

February 2025 to Current - Computer Science Teacher

- Plan lessons for and teach engaging STEM based classes for home-schooled students.

