

Grant Sackmann

grant.sackmann@icloud.com ❖ (864) 344-3776 ❖ Greenwood, SC ❖ [LinkedIn](#)

EDUCATION

Grinnell College

Computer Science & Economics

- Girls Who Code Lead, Wilson Center Entrepreneur, Habesha Student org Treasurer.
- Functional, Procedural and Object-Oriented Programming, Data Science, Physics, Economics

May 2027

Grinnell, LA

3.96 GPA

South Carolina Governor's School for Science and Mathematics

High School Diploma

- Spark Outreach Robotics Lead, FTC Robotics Team, Varsity Cross Country.
- DataStruc & Algo, Artificial Intelligence, C++, Linear Algebra

May 2023

EXPERIENCE

MIT Beaver Works Summer Institute

Quantum Software Engineer

- Designed and implemented a Quantum Classifier, achieving 91% accuracy in predicting heart failure.
- Worked on a fully remote development team using Python, Qiskit, and GitHub Version Control

Summer 2022

Skukuza Organization for Tropical Studies

SSLI Researcher in Kruger National Park

- Studied land-use gradient impacts on ectoparasite and disease transmission.
- Modeled and Presented results of over 100 samples using R Studio.

Spring 2024

Wilson Center Catalyst

Entrepreneur.

- Developed and prototyped an intelligent toilet valve, targeting a reduction in 1 trillion gallons of water loss.
- Successfully secured \$1,500 in funding by budgeting and presenting pitch to W.C. incubator.

Spring 2024

NASA Drop Tower

Diver Challenge Participant

- Designed device to dive in microgravity in response to water contact interface.
- Fabricated hydrophilic coating, producing an 82% reduction in surface contact angle.

Spring 2023

SC Governor's School for Science and Mathematics

Teaching Assistant

- Taught 20 middle school students robotics with I/O equipped robots.
- Lead lessons on engineering design and tested students through obstacle-based challenges.

Summer 2023

SKILLS/CERTIFICATIONS

C, Python, Java, Lisp, R, HTML, CSS, Bootstrap, GitHub, Jupyter Notebook, Microsoft Suite, CAD, LabQuest, Vernier tools, surface coating fabrication, English, and Spanish.

BWSI Python Core (MIT 2022) and Version Control: Git & Github (MIT 2022)