

Grant Sackmann

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EDUCATION

Grinnell College

May 2027

Computer Science & Economics

Grinnell, IA

- Girls Who Code Lead, Wilson Center funded entrepreneur, Habesha Student org Treasurer.
- Imperative Programming, Economics, Multivariable Calc, Physics

3.96 GPA

South Carolina Governor's School for Science and Mathematics

May 2023

High School Diploma

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

EXPERIENCE

MIT Beaver Works Summer Institute

Summer 2022

Quantum Software Engineer

- Designed and implemented a Quantum Classifier, achieving 91% accuracy in predicting heart failure.
- Learned quantum computing fundamentals, including superposition, entanglement, and interference.

Skukuza Organization for Tropical Studies

Spring 2024

SSLI Researcher in Kruger National Park

- Studied land-use gradient impacts on ectoparasite and disease transmission.
- Conducted live rodent sampling, collecting 100s of datapoints.

NASA Drop Tower

Spring 2023

Diver Challenge Participant

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

SC Governor's School for Science and Mathematics

Summer 2023

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.

Black Rocket Productions

Summer 2023

Teaching Assistant

- Assisted 18 elementary school students in designing locally hosted 3D block-based games.
- Organized class structure and lesson plans.

SKILLS/CERTIFICATIONS

C, Python, Java, Lisp, 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)