

# Grant Sackmann

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## EDUCATION

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### 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

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### MIT Beaver Works Summer Institute

Summer 2022

*Quantum Software Engineer*

- Designed and implemented a Variational Quantum Classifier to predict heart failure.
- Learned fundamentals of quantum computing, 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 and savanna data collection.

### NASA Drop Tower

Spring 2023

*Diver Challenge Participant*

- Designed device to dive in microgravity due to water contact interface.
- Fabricated hydrophilic surface coating on PLA plastic.

### SC Governor's School for Science and Mathematics

Summer 2023

*Teaching Assistant*

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

## SKILLS/CERTIFICATIONS

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C, Python, Java, Lisp, HTML, CSS, 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)