Philip Ignatoff

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EDUCATION

University of Florida,
Gainesville, FL
Master of Science, **May 2025**
Major: Mechanical Engineering

William & Mary, Williamsburg, VA
Bachelor of Science, **May 2023**
Physics Major,
Computer Science Minor
Graduated Summa Cum Laude

RELEVANT EXPERIENCE

Virginia Institute of Marine Science, Gloucester Point, Virginia   **5/2023-8/2023**
Research Assistant
- Organized raw data into a database using .npz files and a program to access data
- Used Pandas and Matplotlib libraries in Python to analyze sea floor organism data in the Chesapeake Bay
- Interpolated data throughout the Chesapeake Bay to see how measurements were changing over a 30-year span

Engineered Environmental Solutions, Inc., Lantana, Florida   **5/2020 – 9/2020**
Intern
- Followed electrical schematics to build control panels for groundwater cleanup modules
- Drew groundwater cleanup module schematics in AutoCAD
- Repaired groundwater cleanup modules in the field
- Investigated using programmable logic controllers to replace the control panel logic
- Assisted in emergency oil spill remediation

William & Mary, Williamsburg, Virginia   **1/2020 – 8/2020**
Research Assistant
- Used the Pandas library in Python to combine data from different sources to gain new insights into the injuries on William and Mary's football team
- Created a web crawler using the BeautifulSoup library in Python to extract the athletes' in-game statistics

LEADERSHIP EXPERIENCE

Citizens' Climate Lobby at William & Mary   **1/2022 - 5/2023**
President and Founder

RELEVANT COURSES

- Energy & Thermodynamics
- Electronics
- Solar Energy Utilization
- Conduction Heat Transfer
- Fluid Mechanics
- Electricity & Magnetism
- Data Structures
- Global Climate Change

SKILLS

Programming: C++ (proficient), Python (proficient), Unix (intermediate), Java (intermediate)
Interpersonal Skills: Effective Communication, Public Speaking, Leadership