

Daniel J. Hagenlocker

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STANFORD UNIVERSITY

B.S. Degree in Electrical Engineering / Computer Science

Palo Alto, Ca

June 2028

Gulliver Preparatory

Cumulative GPA: 4.0/4.0

SAT Scores: Math 800 | Reading & Writing 770

Miami, FL

May 2024

PROJECTS

Inside the Box (Sustainable Packaging Startup)

Co-Founder

Dec. 2020 – Present

- Utility Patented packaging alternative for consumer electronics sourced entirely from agricultural waste (corn starch foam and wheat straw paper)
- Performed materials research, simulations, and analysis to determine optimal materials and box design
- Awards/Recognition: Dell Technologies: Conrad Challenge Winner, Blue Ocean Entrepreneurship Competition (2nd Place), Utility Patent (US 20220324625)

RecycleRight / HomeGrown (iOS Apps)

Co-Founder

Jan. 2022 – Present

- iOS apps for biogas digestion monitoring and waste contamination prevention in South Florida
- Internationally recognized at entrepreneurship competitions for climate impact (Paradigm Challenge & Conrad Challenge)
- Worked with Miami-Dade Director of Waste Management to implement RecycleRight into new local recycling initiatives

TECHNICAL EXPERIENCE

NASA Internship

Researcher

June 2022 – Aug. 2022

- Wrote Python scripts to process TBs of geospatial data from ICESat-2 and LandSat-8 satellites
- Built Recurrent Neural Network predicting temporal changes in a water reservoir's capacity to yield timely and precise insights into potential water shortage events
- Presented research at the American Geophysical Union (AGU) Fall Meeting 2022

MITES Semester

Participant/Researcher

June 2023 – Dec. 2023

- Led research project on convolutional neural networks, published science writing article about remote sensing, presented findings at MIT symposium

FIRST Robotics

Team President (5557)

Jan. 2022 – May 2024

- Led team in designing/programming robots for FRC World Championship, created engineering documentation, and helped grow the team from 20 to 45 students

SKILLS & INTERESTS

Programming: Java, Python, Algorithm design and implementation, Software testing, Machine Learning

Other: Spanish, Music Production, Golf, Tennis