

Robert Sims

<https://www.robert-sims.com> / 3 Harborview Pl, Center Moriches, NY 11934 / (631)-644-0618 / rws357@cornell.edu

EDUCATION

Cornell University, College of Agriculture and Life Sciences, Ithaca, NY Expected May 2028
Major: Agricultural Sciences
Concentration: Sustainable Cropping Systems | Minors: Plant Breeding, Crop Management

High School GPA: 101.51 | International Baccalaureate and Advanced Regents Diploma June 2024
4-Year High Honor Roll, 4-Year Varsity Scholar-Athlete, Excellence in Science Award, AP Scholar with Distinction

Relevant Coursework: Syracuse University: GEO 103 - Environment and Society July 2023
Cornell University: PLSCI 1900 – Sustainable Agriculture, PLSCI 1101 – Plant Science and Systems Fall 2024

RELEVANT EXPERIENCE

Sustainable Cropping Systems Lab, Cornell University, Ithaca, NY Expected May 2025 - Present
Research Assistant

- Will perform laboratory tasks in plant and soil sampling, sample processing, data entry across 20 field projects
- Will record, organize, and manage data using spreadsheets and to ensure accurate entry and effective analysis
- Will shadow senior researchers to acquire knowledge and skills in sustainable cropping systems and agroecology
- Will attend and participate in field days and conferences discussing relevant agroecological research

Soil Health Lab, Cornell University, Ithaca, NY December 2024 - Present
Lab Technician

- Perform complex laboratory tasks with minimal supervision including but not limited to lab analyses, weighing soil samples, sieving and grinding samples, preparing samples for various analyses, data entry and analysis
- Shadow senior lab staff to acquire knowledge and skills in soil health analysis, soil science and experimentation
- Assist growers in employing beneficial and sustainable land management decisions through soil analysis framework

Engineers for a Sustainable World Project Team, Cornell University, Ithaca, NY November 2024 - Present
Alumni & Marketing Team Member

- Started a campaign to engage and build community in sustainability-oriented action through an independently created website and newsletter providing opportunities for volunteering, talks, events, political advocacy and readings
- Conducts interviews and networked with alumni to elucidate career opportunities to current team members

Ecology Club, Center Moriches High School, Center Moriches, NY April 2021 – June 2024
Founder/President

- Led, coordinated and designed school greenhouse and garden projects with administration and industry professionals
- Developed Long Island Sustainability project-based class elective enrolling and engaging over 25 students
- Researched and submitted various grant proposals garnering over 1,000 dollars, funding 10+ student-led projects
- Organized fundraisers, volunteer opportunities, field trips and guest speakers with local professors and professionals in various industries including agriculture, horticulture, aquaculture, waste management, geography and politics
- Fostered hands-on engagement and ecological learning for peers and local community. Developing awareness and importance around local to global environmental issues as well as providing avenues for involvement and solutions
- Advocated for support, funding and transport to participate in the state-level New York State Envirothon competition

Hamlet Organic Gardens Farm, Brookhaven, NY June-August 2023/2024
Farm Laborer

- Learned and applied knowledge in crop health, maintaining, harvesting, processing and distribution
 - Worked in a team to maximize productivity and yield supplying 40 restaurants and 300+ CSA members
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ACTIVITIES

Cornell Fashion Collective *Model* • Thread Magazine *Model*

HARD SKILLS

Adobe Suite • ArcGIS • Auto CAD • Blender • Crop Management • Grant Writing • Intermediate French • Microsoft Office • Python • OnShape • R Statistical Analysis • Spreadsheets • Website Development

SOFT SKILLS

Team Coordinating • Communicating • Project Planning • Marketing • Educating • Problem Solving • Adapting