

**Fully Funded Ph.D. opportunity in Sensing & AI in Food and Agricultural Systems****POSITION DESCRIPTION**

Dr. Chang Chen's lab in the Department of Food Science at Cornell University is seeking a highly motivated candidate to join exciting collaborative research projects as a **Ph.D. student** in Food Science at Cornell AgriTech (Geneva, NY) to start in **Fall 2026**. Candidates with research interests and training in non-destructive sensing, agricultural and food intelligence, precision agriculture and food processing are encouraged to apply. The successful candidate will work within a collaborative interdisciplinary team with expertise in food science, agricultural engineering, horticultural science and plant pathology. The candidate is expected to work on research projects with focuses on exploration, development, and application of next generation sensing systems and AI in food quality and safety control, food process monitoring, and precision agriculture for improving the sustainability and resilience of our food and ag systems.

**QUALIFICATIONS**

1. B.S./M.S. in electrical and computer engineering, biological and agricultural engineering, food science (with engineering focus), or a closely related field.
2. Strong academic record: GPA > 3.7 for undergraduate and graduate studies.
3. Language proficiency: for international applicants: TOEFL test score >= 100 or IELTS test score >= 7.5; GRE (preferred) >= 325
4. Demonstrated research experience in relevant areas with publication records (first author publications preferred) in peer reviewed journals, and oral communication skills (poster or oral presentations in conferences).
5. Skills: Programming and coding (e.g., Python, R, and MATLAB) and/or robotics, mechanical design and development; Machine learning and AI, spectrometry analysis
6. Ability to conduct independent and collaborative research in a multidisciplinary environment.

**TO APPLY:**

Please apply via CollegeNet ApplyWeb online application system at Cornell University Graduate School (<https://gradschool.cornell.edu/admissions/application-steps/apply-now/>). Qualified candidates should submit the application form, a personal statement, an academic statement of purpose, curriculum vitae (including a list of publications) related to this position, academic transcripts, English proficiency test results (if apply), and three recommendation letters. Please also email Dr. Chang Chen ([cc2774@cornell.edu](mailto:cc2774@cornell.edu)) for any questions related to the application. Deadline for application submission is **December 1<sup>st</sup>, 2025**.

More information about the PI (Dr. Chang Chen) can be found at:

<https://cals.cornell.edu/people/chang-chen-0>

More information about the Food Science Department and Food Science Graduate Program at Cornell:

<https://cals.cornell.edu/food-science>

<https://cals.cornell.edu/food-science/degrees-programs/graduate>

More information about our facilities and resources at Cornell AgriTech:

<https://cals.cornell.edu/cornell-agritech>

*Cornell University is an innovative Ivy League and Land-grant university and a great place to work. Our community of scholars, students, and staff impart an uncommon sense of larger purpose and contribute creative ideas to further the university's mission of teaching, discovery, and engagement.*