

# Yeong Sheng Lee

515-7153629

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Current Address:  
3812 Tripp St #332,  
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Permanent Address:  
No 28, Jalan Senangin 8,  
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## Personal Profile Statement

I am a highly self-motivated, adaptable and responsible Food Science fresh graduate seeking a position in a research & development position which will utilise the professional and technical skills developed through my master's degree. I have a passion for learning and developing new and existing skills. I enjoy solving problems using established analytical methods and I have a strong drive to see things through to completion. I possess strong social skills that enable me to be a strong relationship builder with professors and colleagues. I am keen to secure a challenging role in a R&D position that offers responsibilities and a progressive career path.

## Education:

Iowa State University, Ames, Iowa

Cumulative GPA: 3.88/4.00

Master of Science: December 2020

Major: Food Science    Option: Technology

Iowa State University, Ames, Iowa

Cumulative GPA: 3.91/4.00

Bachelor of Science: December 2018

Major: Food Science    Option: Technology

## Relevant Coursework:

1. Advanced Food Processing
2. Advanced Food Analysis and Instruments
3. Biochemistry I
4. Statistical Design and the Analysis of Experiment

## PROJECT:

**Encapsulation of curcumin through the Pickering emulsions stabilized by starch nanoparticles and chitin nanofibers** Spring 2020

- Studying the efficiency of different methods in dissolving curcumin in oil
- Evaluating the potential use of SNPs/ChFs-stabilized Pickering emulsions to deliver bioactive ingredients by investigating its protective effects under extreme conditions.

**Synergetic effects of Starch Nanoparticles and Chitin Nanofibers on 10% oil-in-water Pickering emulsion** Spring 2019

- Proposing modified synthetic methods to produce nanoparticles from waxy corn starch and chitin powder
- Investigating the physical stability of SNPs/ChFs-stabilized Pickering emulsions, as well as the effect of sonication on the shelf life of emulsions

**Oxidative stability, textural and rheological properties of conventional and high oleic soybean oil oleogels for application in chicken-based bologna sausage** Fall 2019

- Characterizing the physical properties and evaluating the shelf life of high oleic soybean oil (HOSO)/rice bran wax (RBW) based oleogels to determine if it has the potential to substitute animal fat in food products and thus to make the food healthier

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## Internship Experience:

Quality Assurance, OSI Group Oakland, Iowa Summer 2018

- Help in developing HACCP plans, formulation sheets, shelf-life projects and evaluating the sensory/nutritional qualities of different meat products in the QA Department at Oakland, Iowa

## Work Experience:

ISU-Dining Service, August 2016- December 2018

Food Service, Ames, Iowa

- Provide exemplary customer service within dining environment
- Well-versed in diverse food preparation techniques including grill, fryer and general kitchen help
- Maintain sanitary food preparation and dining environment
- Handle credit transactions and inventory management responsibilities

## ISU-Department of Food Science & Human Nutrition

Graduate Teaching Assistant, Ames, Iowa Fall 2019

- Provide help to Dr. Lamsal Buddhi by leading lectures
- Responsible for creating the answer sheet, grading, and course materials
- Assist students to have a successful and an enjoyable semester

Undergraduate Teaching Assistant, Ames, Iowa Fall 2017

- Assist Dr. Lester Wilson with Food Science 101 teaching responsibilities
- Provide course assistance to students; grade class assignments, quizzes, and exams

## Skills:

### Language

- I have a proven ability in effective communication, diagrammatically, verbally and in written form.

### Computer

- I have excellent knowledge of a variety of analysing software including Microsoft Office, JMP/GraphPad statistical analysis, Genesis

### Lab

- I have excellent understanding in Light microscopy, Malvern Zetasizer, Malvern Mastersizer, Rheometer, DSC, HPLC

## Activities & Honors:

- American Oil Chemists' Society, member 2019-Present
- ISU Food Science Club, member 2016-Present
- ISU International Agriculture Club, member 2017-Present
- Phi Tau Sigma, Food Science Honor Society, member 2018-Present
- College of Food Science and Human Nutrition Dean's List, Fall 2016-Present
- Ardath Johnson Graduate Scholarship, 2019

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## References:

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