

# Wen-Chong Kevin Chew

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## Education

### University of Illinois at Urbana-Champaign

*Bachelor of Science in Chemical Engineering*

May 2019

GPA: 3.33/4.0

- Omega Chi Epsilon (Chemical engineering honor society)
- Relevant coursework: Thermodynamics, Momentum and Heat Transfer, Mass Transfer Operations, Chemical Reaction Engineering, Unit Operations Laboratory, Process Design, Process Control and Dynamics

## Experience

### Department of Food Science and Human Nutrition, UIUC

*Undergraduate Research Assistant*

Champaign, IL

May 2017 – July 2018

- Probed the loss of 2-acetyl-1-pyrroline (cooked rice aroma) by utilizing gas chromatography-mass spectrometry (GC-MS), NMR, UV-Vis spectroscopy, high performance liquid chromatography (GC-MS), infrared spectroscopy (IR)
- Conducted literature searches and performed lab work accurately to assist in the development of an optimized method for forming a starch-flavor complex that can be applied to unstable flavors
- Developed data collection and analyses framework to identify suitable experiment processes; Successfully characterized the loading, crystalline structure and thermal properties of starch-flavor complexes

### Campus Recreation, UIUC

*Facility Assistant*

Champaign, IL

May 2017 – April 2019

- Coordinated across team members to address the needs of facility patrons and monitored fitness and building areas
- Acquired time management skills by balancing working 12 hours a week with a full course load
- Organized certification classes for team members, ensured that classes were completed in a timely manner

### Singapore Armed Forces

*3<sup>rd</sup> Sergeant*

Singapore

February 2013 - December 2014

- Led a team of 12 soldiers and oversaw military camp security for a year; Executed security sweeps, organized manpower schedule and initiated in-camp training that focuses on specific security situations

## Leadership & Activities

### Illni Trading Group

*Active Member*

Champaign, IL

August 2018 - Present

- Participated in weekly workshops to gain knowledge on topics like derivatives, fixed income and trading strategies

### Career Certificate for International Students (Professional Development Program)

*Mentor*

Champaign, IL

August 2018 - Present

- Guided fellow students to build confidence, develop professional networking skills, create effective resumes, cover letters and LinkedIn profiles, polish elevator pitches and educate them about job search resources

### Engineering Open House (Annual student-led event featuring exciting exhibits and competition)

*Team Leader*

Champaign, IL

January 2017 – March 2017

- Led a team of 5 students to develop an exhibit that focuses on Luminescence; Achieved 2<sup>nd</sup> place in competition
- Submitted a proposal that outlined the summary of the project, its relevance, its execution, the required materials and safety concerns; successfully obtained approval from faculty
- Created detailed workplan and effectively communicated project scope and schedule to team members; Tracked progress of individual workstreams to ensure all milestones were met at a timely manner
- Prepared presentation materials; Actively sought out feedback from professors and subject matter expert to verify findings before competition

### Illni Bowling

*Social Chair*

Champaign, IL

January 2017 - May 2017

- Planned monthly social events with a fixed budget for the semester
- Initiated fundraising events to alleviate cost of participating in regional tournaments as well as travel expenses

## Skills

**Technical :** Chemcad (advanced), Aspen (advanced), Microsoft Office (advanced), Python (intermediate),

**Languages :** Mandarin (functional)