

Zoe Wexelman

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EDUCATION

University of Florida

Bachelor of Science in Chemical Engineering
Minor: Food Science

GPA: 3.72/4.00
Graduation: Dec 2020

EXPERIENCE

- PureCircle** – Technical Internship Accepted. Cancelled due to COVID-19. **May 2020 – Aug 2020**
- Food Science and Human Nutrition, Sensory Lab Technician** **Jan 2020 – Present**
- Prepare samples for food panelist ensuring quality control and assurance is met
 - Collect sensory evaluations from participants after running taste panels
 - Clean up the work area after sensory tests have been conducted
- Department of Agricultural and Biological Engineering, Undergraduate Research Assistant** **Jan 2019 – Mar 2020**
- Create rapid, disposable, and cost-effective biosensors using laser scribed graphene to detect for foodborne pathogens
 - Measure cell growth using electrochemical impedance spectroscopy (EIS) solution
 - Run liquid media through a vacuum system to determine the presence of *Listeria monocytogenes* in frozen vegetables
 - Troubleshoot a crucial vacuum leak issue by changing the biosensor's shape, leading to more accurate data collection
- Food Science and Human Nutrition Food Virology Laboratory, Undergraduate Research Assistant** **Sept 2019 – Mar 2020**
- Prepare *E. coli* culture media from agar and tryptic soy broth and perform autoclave sterilization
 - Plate and streak *E. coli* cells to obtain isolated colonies
 - Maintain cleanliness of the laboratory to ensure safe working conditions
- Student Government Productions** **Sept 2018 - April 2019**
- Assistant Vice Chair of Programming*
- Formulated Microsoft Excel databases to organize and distribute event block seating for student organizations
 - Collaborated with Head Director of Public Relations to oversee ticket distribution for events
- Director of Scheduling* **Sept 2017 - April 2018**
- Designed a detailed calendar containing popular UF events, resulting in a 20% increase in attendance at local concerts
 - Reached out to local companies, contacted food trucks, and assembled student organization booths
- Uncle Tai's, Hostess** **Nov 2014 - Jan 2018**
- Served as a liaison between staff and customers by greeting hundreds of guests and answering scores of phone calls
 - Documented take-out orders and recorded reservations and special requests
 - Coordinated customer seating arrangements and presented the plan to busboys to ensure correct set up before opening

LEADERSHIP

- Chemical Engineering Peer Advisors (ChEPA)** **May 2019 – May 2020**
- Treasurer*
- Manage funds/invoices and allocate money for different events
 - Communicate with cross-functional members of the department to fulfill objectives and prepare a \$1,000 annual budget
- Peer Advisor* **Jan 2019 – Present**
- Assist students with scheduling classes and research/internship resources during bi-weekly group advising sessions
 - Plan and set up career events and freshmen welcome tours
- Herbert Wertheim College of Engineering, Engineering Peer Advisor** **Sept 2018 – May 2019**
- Served as an informed resource to first-year engineering students
 - Provided tips on effective time management, organization and study skills, and exam preparation
 - Directed resume format, career showcase preparation, interview practice, and course planning workshops
- American Institute of Chemical Engineers (AIChE), Mentor** **Oct 2017 – Present**
- Serve as a positive social and academic role model by supporting and encouraging two mentees a semester

SKILLS & CERTIFICATES

Software: Aspen Plus

UF Training: chemical hygiene plan; lab safety actions and reactions; hazardous waste management; biomedical waste training

Safety and Chemical Engineering Education Certificates: importance of process safety; understanding hazards and risks