

# Nathan S. Strasser

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## EDUCATION

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### University of North Carolina Wilmington

Bachelor of Science in Chemistry, Minor in Mathematics

GPA: 3.97

Wilmington, NC

May 2022

## RELEVANT COURSEWORK

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Calculus I & II	Organic Chemistry I & II	Physics I & II	Quantitative Analysis
Multivariate Calculus	Adv. Techniques in Organic Chemistry	Cellular Biology	Physical Chemistry I & II
Differential Equations	Instrumental Analysis	Biochemistry I	Inorganic Chemistry

## EXPERIENCE

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### Kentucky BioProcessing, Inc.

Manufacturing Intern

Owensboro, KY

May - August 2020 & 2021

- Developed a new technology to produce a vaccine in six weeks instead of six months while also being cost effective and scalable
- Engineered genetic constructs of antigens from flu strains to see how changing the disulfide bond positions affect conjugation
- Mastered the use of extraction, chromatography and conjugation techniques to ensure good manufacturing practices (GMPs)
- Improved processes to increase extraction yield in R&D through adjusting variables such as pH, gradients and bonding
- Expediated a vaccine for COVID-19, which is currently in phase 1 clinical trials, and universal influenza, which currently in R&D
- Consistently met deadlines and collaborated across departments in a fast-paced startup environment
- Stocked and properly stored supplies in the cleanrooms to assure our team of scientists were prepared for GMP production

### Pool Professionals of The Triad

Manager

Greensboro, NC

May - September 2014 - 2019

- Supported 28 staff members at Bur-Mil Park Aquatic Center and assigned a bi-weekly shift schedule
- Delivered yearly orientations and monthly in-services to maintain lifeguard skill proficiency and trained new employees
- Held employees accountable with a comprehensive evaluation system through coaching, verbal warnings and write-ups
- Maintained a safe environment for guests of all ages by supervising swimmers and adjusting water quality to state standards

## INVOLVEMENT

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### President

Pi Kappa Phi Fraternity

Wilmington, NC

January - December 2021

- Serve as the elected President of a fraternity with 45 members, after serving as the Academic Chair (2019) and Secretary (2020)
- Organize public educational events focusing on career development, financial literacy and mental health with alumni
- Counsel members to become campus leaders both in academics (highest collective GPA) and through community service

## ACHIEVEMENTS

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### 2019 & 2020 Dick Ward Excellence Award

University of North Carolina Wilmington

Wilmington, NC

May 2019 & 2020

- Awarded two years in a row for excellent performance in General Chemistry I & II (2019) & Organic Chemistry I & II (2020)

### 2022 American Chemical Society Division of Inorganic Chemistry Undergraduate Award

American Chemical Society

Wilmington, NC

May 2022

- Demonstrated excellence in inorganic chemistry based on research, coursework, and dedication

### Dr. William Sandford Durrell Scholarship for Excellence in Chemistry

Pi Kappa Phi Foundation

Wilmington, NC

November 2020

- Hard work and dedication for Pi Kappa Phi, academics, and college campus participation

### Eagle Scout

Boy Scouts of America

Greensboro, NC

December 2017

- Served as Senior Patrol Leader in a troop of 30+ young men and helped plan weekly meetings and expeditions
- Completed a 200-hour Eagle Project encompassing the construction and installation of nine wood duck nesting boxes

## SKILLS

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- Trained in cleanroom and GMP facility procedure
- Adept risk assessment and mitigation plans
- Experienced in column chromatography
- Proficient in Microsoft Office