

# JOHN T. COLLEGE

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## EDUCATION

Bachelor of Science in Chemistry, with Honors; minor concentration: Information Science  
Coastal Carolina University, Conway, SC, 2023

- Honor thesis: "Synthesis of bid-dipyridyl complexes of divalent transition metals"
- Advisor: Nina R. Young
- GPA 3.55/4.00

## EXPERIENCE

Research Assistant, Professor Nina R. Young  
Coastal Carolina University, Conway, SC, 2021-2023

- Synthesized organic ligands and inorganic compounds, on large and small scales, using anaerobic techniques
- Produced complexes of divalent first-row transition metals; studied their interaction with dioxygen
- Characterized products with  $^1\text{H}$  NMR, UV-vis, and IR spectroscopy as well as x-ray crystallography and magnetic susceptibility

Teaching Assistant, Undergraduate Inorganic Chemistry  
Coastal Carolina University, Conway, SC, Fall 2021

- Planned and led help sessions and recitations
- Coordinated materials, conducted lab sessions, and graded lab reports

## COMPUTER SKILLS

- Navigate Mac OS, DOS, MS Windows, X windows, and UNIX
- Proficient in MathCAD, Excel, MS Word, AmiProd, and MS PowerPoint
- Acquainted with Cambridge Structural Database and Inorganic Crystal Structure Database
- Able to learn new software quickly

## AWARDS

- Dean's List, Fall 2019-January 2023
- Grant recipient from the General Electric Foundation, Summer 2020

## ACTIVITIES

- Private music tutor (cello), 2019-Present
- Member, Alpha Delta Chi honor society, 2019-Present
- Intern, Urbana Food Bank, Fall 2020