

# Christine Ann Jette

## Contact Information

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## Home Address

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## EDUCATION

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### University of Toledo, Toledo, Ohio

Department of Chemistry and Biochemistry --- MS Chemistry, Expected Spring 2020

Cumulative GPA: 4.0/4.0

### Stony Brook University, Stony Brook, New York

Major: Biochemistry, Minor: Ecosystems and Human Impact --- Bachelor of Science 2016

Cumulative GPA: 3.27/4.0

### Exeter-West Greenwich High School, West Greenwich, Rhode Island

Graduated top 15%, June 2012. GPA: 3.42.

National Honor Society. Rhode Island Honor Society.

Activities/Honors: DECA Member, Math Team, Recycling Club, Biotechnology Program completed.

## RESEARCH EXPERIENCE

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### University of Toledo

Graduate Research, 2018-Present

- Worked on development of new metal complexes to screen for catalytic activity
- $^1\text{H}$ ,  $^{13}\text{C}$  NMR, COSY, NOSY

### Stony Brook University

*Independent Research, Spring 2015-Spring 2016*

- Investigated the dynamics of nitrogen removal in a constructed wetland by bacteria and other microorganisms
- Modeled nitrogen transformations in a constructed wetland using STELLA® modeling and simulation software

*Stony Brook University Ecotoxicology Lab, Fall 2015-Spring 2016*

- Researched the effects of popular herbicides and ecotoxins on earthworm populations, health, and fragility
- Developed lab standardized protocol used for data collection and analysis
- Maintained earthworm populations
- Presented research at ERECA (Undergraduate Research and Creative Activities) symposium at Stony Brook University

*Constructed Wetlands Group, Spring 2015*

- Worked with other students to research the feasibility of using a constructed wetland system to treat on-site wastewater generated in Long Island homes with a focus on nitrogen removal from septic effluent
- Reviewed and summarized ecological engineering details of different system types

## **WORK EXPERIENCE**

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### **University of Toledo**

*Teaching Assistant, Fall 2017-Present*

- Recitation leader for General Chemistry courses
- Assisted students in learning general chemistry topics in one-hour active learning session and one-on-one in weekly office hours

### **Stony Brook University**

Stony Brook, New York

*Teaching Assistant, Spring 2014-Fall 2015, Systems and Models Course*

- Assisted students with completion of coursework with STELLA® modeling and simulation software
- Worked with professor and other teaching assistants to identify areas of difficulty for students and improve course
- Created video tutorial to aid in learning STELLA®

### **Naval Undersea Warfare Center (NUWC)**

Newport, Rhode Island

*Science and Engineering Apprentice Program (SEAP) Intern, June-August 2011*

- Worked with project team to design and construct a Seaperch (PVC pipe surface vehicle) that's speed was determined by the concentration value of the operator using a NeuroSky® Mindwave headset
- Developed speed control software program on Arduino microprocessor to control Seaperch
- Used various software tools including: Solidworks, MATLAB, MS PowerPoint

## **ACTIVITIES**

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*WISDOM (Women in STEMM Day of Meetings) 2018-2019*

- Assisted in leading high school students in various science and engineering mini-labs

**ERCA Symposium** (Undergraduate Research & Creative Activities) 2016, Stony Brook

- Presented toxicology lab research at poster session

**American Chemical Society (ACS)**, Member, Fall 2012-1025; Executive board, Fall 2013-Spring 2014

- Earthstock (celebration of Earth Day) committee (2013); committee head (2014); co-chair (2015)
- Responsible for planning and managing Earthstock table as committee head/co-chair

**EcoLeaders**, Member, Fall 2012-Spring 2016

- Participated in sustainability events and discussions on how to improve campus sustainability efforts

## **AWARDS**

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### **Graduate Student Award**

- University of Toledo, Department of Chemistry and Biochemistry, outstanding first year graduate student award, 2018
- Awarded to a first-year graduate student for proficiency in classes, teaching, and research

### **Undergraduate Research Award**

- Stony Brook University, Sustainability Studies Department, Summer 2015, \$1500
- Stipend awarded to undergraduate students pursuing research with a faculty mentor during the summer

### **Dean's List**

- Stony Brook University, Fall 1012, Spring 1013

## **SKILLS / INTRESTS**

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**Computer Programs:** HTML, MS Word, MS Excel, Adobe Photoshop, STELLA®, MestReNova, Camtasia Studio, Sony Vegas Pro, ChemDraw, Aspen Plus, Solidworks, WAR GUI,

**Interests:** Reading, Baking, Photography, Graphic Design, Sewing