

# Winston Gee

## EDUCATION

**B.S. Chemistry** May 2021

**B.A. Mathematics**

4.0 GPA *Westmont College, Santa Barbara, California*

*Boise High School, Boise, Idaho* May 2017

## RESEARCH EXPERIENCE

**Graduate Student Researcher** August 2021 to Present  
*Department of Chemistry, UCLA*

**Undergraduate Researcher** January 2019 to May 2021  
*Department of Chemistry, Westmont College*

- Investigated the stabilization of vinyl cations by transition metals with density functional theory (DFT) methods in order to adjust their reactivity
- Explored the feasibility of carbon-carbon insertion by metal-carbene with DFT methods
- Contributed to research direction and managed projects concurrently
- Peer-reviewed journal draft in progress

## ACADEMIC AND RELATED EXPERIENCE

**Teaching Assistant** Fall 2021, Winter 2022, Spring 2022  
*Department of Chemistry, UCLA*

- Taught organic reactions to undergraduates in three discussion sections each quarter
- Supported students in weekly office hours

**Organic Chemistry Lab Teaching Assistant** Fall Semester 2019  
*Department of Chemistry, Westmont College*

- Assisted faculty in explaining techniques and theory of lab work; graded lab reports

**General Chemistry Lab Teaching Assistant** Fall Semester 2018  
*Department of Chemistry, Westmont College*

Assisted faculty in explaining techniques and theory of lab work; graded lab reports

**Student Leader** August 2019 – May 2020  
*Urban Initiative, Westmont College*

- Facilitated student engagement with marginalized communities in Santa Barbara such as people experiencing homelessness and under-resourced neighborhoods
- Led week-long interfaith dialogue trip in Salt Lake City, UT, Spring 2020

**Tutoring Program Coordinator** August 2017 – May 2019  
*Urban Initiative, Westmont College*

- Organized and participated in weekly tutoring program for students at a low-income elementary school, Santa Barbara, CA

**Honors Program Cohort Representative**

August 2019 – May 2020

*Augustinian Honors Program, Westmont College*

- Designed and implemented successful mentoring and connection opportunities for students in all four years of the honors program

**Admissions Event Intern**

August 2018 – May 2019

*Admissions Office, Westmont College*

- Organized and hosted preview weekends for prospective students

**Mathematics Competition Facilitator**

Feb. 2018, 2019, 2020

*Department of Mathematics, Westmont College*

- Facilitated annual mathematics quiz bowl for high school students

**Student Reviewer for Faculty Tenure Evaluations**

2017, 2018, 2019, 2020

*Depts. of Business, Chemistry, Computer Science, Mathematics, Westmont College***Summer Swim Team Coach**

Summers 2015 – 2019

*Crane Creek Country Club, Boise, ID*

- Led practices, instructed proper swimming technique, and organized competition events for swimmers (ages 5 to 18 years)

**HONORS, FELLOWSHIPS, AND AWARDS**

- Outstanding Graduate Award for Chemistry
  - May 2021, Dept. of Chemistry, Westmont College
- Outstanding Graduate Award for Mathematics
  - May 2021, Dept. of Mathematics, Westmont College
- John Stauffer Scholarship
  - Awarded for outstanding student in chemistry, Fall 2020, Dept. of Chemistry, Westmont College
- Stauffer Summer Research Fellowship
  - Full-time funded research, Summers 2019 & 2020, Dept. of Chemistry, Westmont College
- Leonard Euler Award for Outstanding Sophomore in Mathematics
  - Fall 2019, Dept. of Mathematics, Westmont College
- Phi Kappa Phi Scholarship for Highest GPA Sophomore
  - Spring 2019, Westmont College
- Augustinian Scholarship
  - Full-tuition four-year honors scholarship, 2017 to 2021, Westmont College
- National Merit Scholarship
  - 2017, Boise High School

**PROFESSIONAL MEMBERSHIPS**

- Phi Kappa Phi National Honor Society, Chapter Student Vice President

**TECHNICAL SKILLS**

Programming Languages: Python, Java

Tools: Gaussian 16, R Studio, Excel