

GIANNI MANGINELLI

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EDUCATION

University of Oklahoma, Norman, OK

B.S. Chemistry, B.S. Mathematics, Computer Science Minor

Anticipated Graduation: May 2020

Cumulative GPA: 4.00

RELEVANT EXPERIENCE

University of Oklahoma – Undergraduate Research Assistant

January 2017 – present

- Grant recipient from the Undergraduate Research Opportunity Program
- Conducts mentored experimental projects on the potential anti-cancer effects of the OSW-1 compound in the laboratory of Anthony W.G. Burgett, Ph.D.
- Performs a range of organic synthesis and reactions, purification, and analysis

Janssen Pharmaceutical Companies of Johnson – Intern

May 2019 – August 2019

- Semi-independent researcher in Discovery Sciences Chemistry
- Emphasis on exploratory methodology in organic synthesis for medicinal chemistry

University of Oklahoma – Undergraduate Academic Assistant

January 2018 – May 2018

- Graded exams and homework for students enrolled in Organic Chemistry

PQ Corporation – Analytical Chemist Intern

May – August 2017, May – August 2018

Global provider of specialty catalysts and performance materials and chemicals – Conshohocken, PA

- Facilitated surface area and pore volume analysis of synthetic zeolites
- Operated X-ray fluorescence analytical instruments
- Utilized extensive sample preparation methods

OTHER SKILLS

- Mathematical problem-solving and computation in calculus, statistics, theoretical mathematics
- Programming proficiency in Java and C++ languages, using various software and Git version-control
- Communicating and presenting effectively both orally and in writing

HONORS & AWARDS

- 2019 Grand Prize for Most Outstanding Undergraduate Research in Biochemistry, University of Oklahoma Honors College
- 2017 Annual CRC Press Freshman Chemistry Award for outstanding academic achievement
- National Merit Scholar
- Dean's Honor Roll & President's Honor Roll, University of Oklahoma, 2016 – 2019
- Valedictorian, Pennsylvania Leadership Charter School, 2016

CONFERENCE PRESENTATIONS

- Undergraduate Research Day University of Oklahoma, 2019: Synthesis of OSW-1 Mimetics for the Development of ORP4 Precision Therapeutic Drugs
- National Conference on Undergraduate Research, 2018: Synthesis of OSW-1 Steroid Scaffold for the Development of Precision Therapeutic Drugs
- First Year Research Experience Conference, University of Oklahoma, 2017: Synthesis of OSW-1 Analogs to Improve Druglike Properties

ACTIVITIES

- American Chemical Society Member, 2017-present
- Trumpet player, First Chair University of Oklahoma Civic Orchestra (2017-present), Pride of Oklahoma Marching Band (2017)
- Author, *Novus Liber Latinus*, First-Year Latin instructional textbook, 2015