

EDUCATION	California Institute of Technology , Pasadena, CA Unweighted GPA : 3.74 BS ; Chemistry	June 2024 (expected)
TECHNICAL SKILLS	Programming Languages : Python with <i>Numpy</i> (intermediate), L ^A T _E X(Advanced)	
RELEVANT EXPERIENCE	<i>Research Fellow</i> California Institute of Technology <ul style="list-style-type: none"> — Work on quantum chemistry project advised by Prof. Garnet Chan — Implement and optimize Full CI for an H_6 chain (https://github.com/pkozlows/fci) 	November 2022 - Present
	<i>Teaching Assistant</i> California Institute of Technology <ul style="list-style-type: none"> — Worked 9 hours/week as a TA for chemistry introductory QM course — Apart from grading responsibilities, held weekly recitations and office hours 	October 2020 - December 2020
	<i>John Stauffer Summer Undergraduate Research Fellow</i> California Institute of Technology <ul style="list-style-type: none"> — Used quantum chemistry methods to run simulations with Prof. Garnet Chan — Computed surface energies of platinum using coupled-cluster theory — <i>Publications and Presentations</i> <ul style="list-style-type: none"> — Kozlowski, P. 2020. "Elucidating Catalysis with the "Gold Standard" of Quantum Chemistry". Oral session presented virtually at Annual Caltech Fall SURF Seminar Day, October 17. — Kozlowski, P. T. 2021. "Elucidating Catalysis with the "Gold Standard" of Quantum Chemistry". Caltech Undergraduate Research Journal, 21 (1). 	June 2020 - September 2020
	<i>John Stauffer Summer Undergraduate Research Fellow</i> California Institute of Technology <ul style="list-style-type: none"> — Conducted physical inorganic chemistry research with Prof. Ryan Hadt — Developed a computational model for spin-phonon coupling in Co(III) coordination complexes — <i>Publications and Presentations</i> <ul style="list-style-type: none"> — Kozlowski, P. 2019. "Spin-Phonon Coupling in Transition Metal Complexes." Oral session presented at Annual Caltech Fall SURF Seminar Day, October 19, Pasadena, CA. — Higdon, N. J., A. T. Barth, P.T. Kozlowski, and R. G. Hadt. Chemistry. "Spin-Phonon Coupling and Dynamic Zero-Field Splitting Contributions to Spin Conversion Processes in Iron(II) Complexes." Journal of Chemical Physics, 152 (20), 204306. 	June 2019 - September 2019
SCHOLARSHIPS AND AWARDS	<ul style="list-style-type: none"> — Goldwater Scholar in Mathematics, Science, and Engineering — Perpall Speaking Competition Semifinalist, California Institute of Technology — Polish National Alliance Scholarship — John Kopczynski Scholarship, Polish University Club of Los Angeles — Richard Gorecki Scholarship, Polish-American Congress — National Merit Scholar 	2021 2020 2020, 2021, 2023 2019, 2020, 2023 2020, 2023 2018-2020, 2023
OTHER EXPERIENCE	<i>Student-Faculty Conference Comittee Member</i> California Institute of Technology <ul style="list-style-type: none"> — Published an online survey to get feedback from students on the chemistry major — Discussed proposed curriculum changes with faculty 	October 2020 - January 2021
	<i>Social Director</i> Caltech Chemistry Club, Pasadena, CA <ul style="list-style-type: none"> — Organized monthly professional, community outreach, and social events — Recruited a distinguished chemical researcher for the club's annual speaker event 	October 2019 - December 2020

Volunteer

June 2019 - July 2020

California Institute of Technology

- Held weekly tutoring sessions for the Caltech Y's RISE Program
- Prepared underprivileged high school students for their STEM classes and the SAT

Athlete

January 2014 - December 2020

California Institute of Technology

- Started for Caltech's NCAA intercollegiate tennis team (ranked in the Top 25)

LANGUAGES

Polish : Fluent