

EDUCATION	<b>California Institute of Technology</b> , Pasadena, CA Unweighted GPA : 3.91 BS ; Chemistry	June 2024 (expected)
TECHNICAL SKILLS	<b>Programming</b> : Python with <i>Numpy</i> (intermediate), PySCF (beginner), L <sup>A</sup> T <sub>E</sub> X(Advanced)	
RELEVANT EXPERIENCE	<i>Research Fellow</i> <b>California Institute of Technology</b> <ul style="list-style-type: none"><li>— Work on quantum chemistry project advised by Prof. Garnet Chan</li><li>— Implement and optimize Full CI for an <math>H_6</math> chain (<a href="https://github.com/pkozlows/fci">https://github.com/pkozlows/fci</a>)</li></ul> <i>Teaching Assistant</i> <b>California Institute of Technology</b> <ul style="list-style-type: none"><li>— Worked 9 hours/week as a TA for chemistry introductory QM course</li><li>— Apart from grading responsibilities, held weekly recitations and office hours</li></ul> <i>John Stauffer Summer Undergraduate Research Fellow</i> <b>California Institute of Technology</b> <ul style="list-style-type: none"><li>— Used quantum chemistry methods to run simulations with Prof. Garnet Chan</li><li>— Computed surface energies of platinum using coupled-cluster theory</li><li>— <i>Publications and Presentations</i><ul style="list-style-type: none"><li>— Kozlowski, P. 2020. "Elucidating Catalysis with the "Gold Standard" of Quantum Chemistry". Oral session presented <a href="#">virtually</a> at Annual Caltech Fall SURF Seminar Day, October 17.</li><li>— Kozlowski, P. T. 2021. "<a href="#">Elucidating Catalysis with the "Gold Standard" of Quantum Chemistry</a>". Caltech Undergraduate Research Journal, 21 (1).</li></ul></li></ul> <i>John Stauffer Summer Undergraduate Research Fellow</i> <b>California Institute of Technology</b> <ul style="list-style-type: none"><li>— Conducted physical inorganic chemistry research with Prof. Ryan Hadt</li><li>— Developed a computational model for spin-phonon coupling in Co(III) coordination complexes</li><li>— <i>Publications and Presentations</i><ul style="list-style-type: none"><li>— Kozlowski, P. 2019. "Spin-Phonon Coupling in Transition Metal Complexes." Oral session presented at Annual Caltech Fall SURF Seminar Day, October 19, Pasadena, CA.</li><li>— Higdon, N. J., A. T. Barth, P.T. Kozlowski, and R. G. Hadt. "<a href="#">Spin-Phonon Coupling and Dynamic Zero-Field Splitting Contributions to Spin Conversion Processes in Iron(II) Complexes</a>." Journal of Chemical Physics, 152 (20), 204306.</li></ul></li></ul>	November 2022 - Present  October 2020 - December 2020  June 2020 - September 2020  June 2019 - September 2019
SCHOLARSHIPS AND AWARDS	<ul style="list-style-type: none"><li>— Goldwater Scholar in Mathematics, Science, and Engineering</li><li>— Perpall Speaking Competition Semifinalist, California Institute of Technology</li><li>— Polish National Alliance Scholarship</li><li>— John Kopczynski Scholarship, Polish University Club of Los Angeles</li><li>— Richard Gorecki Scholarship, Polish-American Congress</li><li>— National Merit Scholar</li></ul>	2021 2020 2020, 2021, 2023 2019, 2020, 2023 2020, 2023 2018-2020, 2023
OTHER EXPERIENCE	<i>Student-Faculty Conference Comittee Member</i> <b>California Institute of Technology</b> <ul style="list-style-type: none"><li>— Published an online survey to get feedback from students on the chemistry major</li><li>— Discussed proposed curriculum changes with faculty</li></ul> <i>Social Director</i> <b>Caltech Chemistry Club, Pasadena, CA</b> <ul style="list-style-type: none"><li>— Organized monthly professional, community outreach, and social events</li><li>— Recruited a distinguished chemical researcher for the club's annual speaker event</li></ul>	October 2020 - January 2021  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