

Michal T. Ruprecht

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CAREER OBJECTIVES

I'm a first generation American & I'm passionate about diverse learning environments, learning about other people's struggles, & emphasizing social justice in underserved communities like Flint, MI. I'm looking for opportunities that include or combine my passions for neuroscience, medicine, & social justice.

EDUCATION

University of Michigan College of Literature, Science, & the Arts, Ann Arbor, MI

SEPTEMBER 2018 - MAY 2022

- B.A. in Neuroscience, pre-med track.
- Member of the LSA Honors Program.
- Admitted under first round of early action applications.

Grosse Pointe North High School, Grosse Pointe, MI

SEPTEMBER 2014 - JUNE 2018

- Graduated Summa Cum Laude. Unweighted GPA 3.96.
- Multiple AP courses sophomore through senior year. 10 credits in 3 years.

EXPERIENCE

Caregiver — *Community Living Centers, Ann Arbor, MI*

JANUARY 2019 - PRESENT

Provided personal care, aided in transportation, & bonded with client. Lifesaving & CPR certified & bloodborne pathogens & recipient rights training completed.

Research Assistant — *R. Denver Lab, UM, Ann Arbor, MI*

JANUARY 2019 - PRESENT

Controlled gene expression in an in-vivo model organism.

Research Assistant — *M. Benvenuto Lab, University of Detroit Mercy, Detroit, MI*

OCTOBER 2016 - JUNE 2018

Inspired by the Flint water crisis to synthesize ligand that could pull metal ions out of aqueous solution. Collaborated with team to present & publish research.

Research Assistant — *NeuroLab, Coastal Marine Biolabs, Ventura, CA*

JULY 2018

Received full-tuition scholarship to program, controlled gene expression in an in-vivo model organism, & presented research with team. Supervised by Dr. R. Imondi & Dr. L. Santschi.

Research Assistant — *S. Xu Lab, Wayne State University School of Medicine, Detroit, MI*

JULY 2017 - AUGUST 2017

Examined the role of gene expression in bacterial keratitis.

Lifeguard — *George Osius Municipal Park, Grosse Pointe, MI*

MAY 2016 - SEPTEMBER 2017

Cleaned, assisted swimmers at meets, & kept up on skills & fitness. Lifesaving & CPR certified by Red Cross.

EXTRACURRICULAR ACTIVITIES

Co-Founder — *Flint Justice Project, UM, Ann Arbor, MI*

OCTOBER 2018 - PRESENT

Co-founded organization that will help to serve & connect with residents of Flint, MI & educate the student population about the Flint water crisis.

HONORS & AWARDS

- American Chemical Society Ciba Travel Grant in Green Chemistry
- ACS Division of Environmental Chemistry Certificate of Merit
- Michigan Youth Appreciation Foundation Scholarship
- Engineering Society of Detroit Outstanding High School Student of the Year
- G. John & Elizabeth Stevens Student Volunteer Scholarship
- Lusk Albertson Law Firm Launch Scholarship
- Detroit Rubber Group Scholarship
- Individual Michigan Interscholastic Press Association awards for news & feature writing
- AP Scholar with Distinction Award
- National Scholastic Press Association Honor Roll of Student Journalists

PUBLICATIONS & PRESENTATIONS

Ruprecht, M. T., Berger, M., Goldfarb, J. L., Fitzgerald, P. R., Karod, M., Kohn, C., . . . Wathen, S. P. (2018). *Green Chemistry Education: Recent Developments* (Vol. 4, Green Chemical Processing) (M. A. Benvenuto & L. Kolopajlo, Eds.). De Gruyter.

Ruprecht, M. T., Benvenuto, M. A., Kosmas, S. P., Pothoof, J., Sosnowski, B. M., & Fitzgerald, P. R. (2018, August & 2017, June). *Production of a new series of ligands with potential to act as water remediators*. Presented at Sci-Mix and Water Reuse & Recycling poster sessions at the 256th ACS National

Member — *Michigan Community Scholars Program, UM, Ann Arbor, MI*
SEPTEMBER 2018 - PRESENT
Promoted values of community service, diversity & social justice. Over 10 hours of volunteering.

Meeting, Boston, MA & the
48th ACS Central Region
Conference, Dearborn, MI.

Campus Outreach Chair — *Phi Delta Epsilon International Medical Fraternity, UM, Ann Arbor, MI*
SEPTEMBER 2018 - PRESENT
Coordinated advertising efforts during recruitment & other events to reach diverse audiences. Admitted as first semester freshman into the Lambda Alpha Class. Attended cultural events and over 3 hours of volunteering.

Volunteer — *Emergency Dept., Ascension St. John Hospital, Detroit, MI*
JULY 2017 - PRESENT
Over 190 hours of volunteering. Received an award for work.

Secretary — *A'Subuhi Multicultural Council, UM, Ann Arbor, MI*
SEPTEMBER 2018 - PRESENT
Organized meetings & agendas, assigned roles, & co-developed diversity, equity, & education-themed events for over 1,100 residents.

Mentee — *Mentorship Program, UM, Ann Arbor, MI*
SEPTEMBER 2018 - PRESENT

Shadower — *Ascension St. John Hospital, Detroit, MI*
JULY 2016 - PRESENT
Over 50 hours of shadowing physicians & PAs in seven specialties.

President — *Chemistry Club, GPN HS, Grosse Pointe, MI*
SEPTEMBER 2015 - JUNE 2018
Restored struggling club, grew membership by 233% & number of projects by 300%, created social media presence & website, & set club up for continued success. Presented at numerous events.

Editor-at-Large — *North Pointe Newspaper, GPN HS, Grosse Pointe, MI*
MARCH 2015 - JUNE 2018
Solved production problems, assigned stories, designed & edited pages, wrote & edited stories, served on the editorial board, sold ads, & trained staff.

Team America Rocketry Challenge Participant — *Rocketry Club, GPN HS, Grosse Pointe, MI*
SEPTEMBER 2016 - APRIL 2018
Led team to design, construct, & successfully launch a model rocket to 800 feet & return two uncracked raw hen eggs.

Member — *American Chemical Society & Engineering Society of Detroit*
JUNE 2018 - PRESENT

Violin Player — *Grosse Pointe Symphony Orchestra, Grosse Pointe, MI*
JUNE 2015 - OCTOBER 2017
Played advanced music along with professional musicians & participated in seasonal Grosse Pointe Symphony Orchestra Concerts.

References available upon request.