

# Michal T. Ruprecht

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## CAREER OBJECTIVES

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

## EDUCATION

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

SEPTEMBER 2018 - MAY 2022

- B.S. in Neuroscience

**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.
- Member of the National Honors Society

## PROFESSIONAL EXPERIENCE

**Caregiver — *Community Living Centers***

JANUARY 2019 - PRESENT

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

**Research Assistant — *R. Denver Lab, University of Michigan, Ann Arbor, MI***

JANUARY 2019 - PRESENT

Controlled gene expression in an in-vitro model organism. Participated in weekly sessions of the MCDB Department/Neurobiology joint lab meetings and Chromatin Club seminars.

**Lead Writer — *The Michigan Daily, University of Michigan, Ann Arbor, MI***

FEBRUARY 2019 - PRESENT

Wrote news stories, collaborated with team to come up with story ideas, and live tweeted events and stories.

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

OCTOBER 2016 - JUNE 2018

Synthesized ligand that could pull metal ions out of aqueous solution, inspired by Flint water crisis. Collaborated with team to present and publish research.

**NeuroLab Scholar — *NeuroLab, Coastal Marine Biolabs, Ventura, CA***

JULY 2018

Received full-tuition scholarship to program, controlled gene expression in an in-vivo model organism, and presented research. Supervised by Dr. R. Imondi and 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, and kept up on skills and fitness. Lifesaving and CPR certified by Red Cross.

## EXTRACURRICULAR ACTIVITIES

### **Co-Founder — *Flint Justice Partnership, University of Michigan, Ann Arbor, MI***

OCTOBER 2018 - PRESENT

Co-lead organization that serves and connects with residents of Flint, MI and educates student population about the Flint water crisis. Received sponsorship from U-M to lead organization.

### **Member — *Michigan Community Scholars Program, University of Michigan, Ann Arbor, MI***

SEPTEMBER 2018 - PRESENT

Promoted values of community service, diversity, and social justice.

### **Campus Outreach Chair — *Phi Delta Epsilon International Medical Fraternity, University of Michigan, Ann Arbor, MI***

SEPTEMBER 2018 - PRESENT

Coordinated advertising efforts during recruitment to reach diverse audiences.

### **Volunteer — *Ascension St. John Hospital, Detroit, MI***

JULY 2017 - PRESENT

Over 88 hours of volunteering. Received an award for work.

### **Secretary — *A'Subuhi Multicultural Council, University of Michigan, Ann Arbor, MI***

SEPTEMBER 2018 - PRESENT

Co-developed diversity, equity, and education-themed events for over 1,100 dorm residents, organized council meetings and agendas, assigned roles, and served on E-Board.

### **Violin Player — *Grosse Pointe Symphony Orchestra, Grosse Pointe, MI***

JUNE 2015 - PRESENT

Played advanced music with musicians and participated in seasonal concerts.

### **Mentee — *Mentorship Program, University of Michigan, Ann Arbor, MI***

SEPTEMBER 2018 - PRESENT

### **Shadower — *Ascension St. John Hospital, Detroit, MI***

JULY 2016 - PRESENT

Over 50 hours of shadowing physicians and PAs in seven specialties.

### **President — *Chemistry Club, Grosse Pointe North High School, Grosse Pointe, MI***

SEPTEMBER 2015 - JUNE 2018

Restored struggling club, grew membership by 233% and number of projects by 300%, created social media presence and website, and set club up for continued success. Presented at numerous events.

### **Editor-at-Large — *North Pointe Newspaper, Grosse Pointe North High School, Grosse Pointe, MI***

MARCH 2015 - JUNE 2018

Solved production problems, assigned stories, designed and edited pages, wrote and edited stories, served on the editorial board, sold ads, and trained staff.

### **Team America Rocketry Challenge Participant — *Rocketry Club, Grosse Pointe North High School, Grosse Pointe, MI***

SEPTEMBER 2016 - APRIL 2018

Led team to design, construct, and successfully launch a model rocket to 800 feet and return two uncracked raw hen eggs.

### **Volunteer tutor — *Grosse Pointe North High School and private home, Grosse Pointe, MI***

SEPTEMBER 2016 - DECEMBER 2017

Over 61 hours of volunteer tutoring K-12 students.

**Swimmer** — *GPN HS Varsity Team, GP Gators Swim Club, and GP Shores Sharks, Grosse Pointe, MI*

SEPTEMBER 2014 - AUGUST 2018

Assisted coaches with time management by ushering young swimmers during meets.

## PROFESSIONAL AFFILIATIONS

**Member** — *American Chemical Society*

JUNE 2018 - PRESENT

- Member of the American Chemical Society Division of Environmental Chemistry.

**Member** — *Engineering Society of Detroit*

JUNE 2018 - PRESENT

## PUBLICATIONS

1. Pothoof, J., **Ruprecht, M. T.**, Sliwinski, B. D., Sosnowski, B. M., Fitzgerald, P. R., Kosmas, S., & Benvenuto, M. A. (2018). Synthesis of “three-legged” tri-dentate podand ligands incorporating long-chain aliphatic moieties, for water remediators, and for isolating metal ions in non-aqueous solution. *Physical Sciences Reviews*, 3(11). doi:10.1515/psr-2018-0076

## PRESENTATIONS

- <sup>1</sup> 256<sup>th</sup> American Chemical Society National Meeting, Sci-Mix and Water Reuse and Recycling poster sessions, Boston, MA.
- <sup>1</sup> 48<sup>th</sup> American Chemical Society Central Region Conference, Dearborn, MI.

## HONORS AND AWARDS

- MCDB Research Scholarship
- American Chemical Society Ciba Travel Grant in Green Chemistry.
- American Chemical Society 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 and Elizabeth Stevens Student Volunteer Scholarship.
- Lusk Albertson Law Firm LAunch Scholarship.
- Detroit American Chemical Society Rubber Group Scholarship.
- Individual Michigan Interscholastic Press Association awards for news and feature writing.
- AP Scholar with Distinction Award.
- National Scholastic Press Association Honor Roll of Student Journalists.

## SKILLS

- Fluent in Polish and English, proficient in Spanish.

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References available upon request.

Last updated 06/02/2019