

# Robert Theisen

1946 McIntyre St  
Ann Arbor, MI 48105

(949) 677-6511

rmtheis@umich.edu

## EDUCATION

### University of Michigan, Ann Arbor

*Doctorate of Philosophy, Biomedical Engineering*

*Master of Science in Engineering, Biomedical Engineering*

Ann Arbor, MI

Expected June 2025

August 2022

- GPA: 4.0/4.0
- Biotechnology and Systems Biology Track
- Relevant Coursework: Biopharmaceutical Engineering, Systems Biology of Human Diseases, Immunology, Mathematical Modeling of Biological Systems, Data Science and Predictive Analytics, Innovation and IP strategy

### University of California, Los Angeles

*Bachelor of Science, Bioengineering*

Los Angeles, CA

June 2020

- Honors: Magna cum Laude, Regents Scholar

## WORK EXPERIENCE

### Arnold Lab

*Graduate Researcher*

Ann Arbor, MI

October 2020 - Present

- Apply computational approaches to immunology data to investigate varying responses to vaccination
- Consolidate research findings for conference presentations and publications

### University of Michigan Innovation Partnerships

*Part-Time Fellow*

Ann Arbor, MI

April 2023 - Present

- Conduct research on the technical background, market opportunities, and intellectual property landscape for new biomedical technology from University of Michigan research laboratories
- Write reports detailing these research findings for the licensing team

### Meyer Lab

*Undergraduate Researcher*

Los Angeles, CA

September 2018 – June 2020

- Wrote python code for the implementation, testing, and analysis of an immunology model
- Stored and organized all code and data in a GitHub repository
- Presented current research results and relevant literature to Dr. Meyer and lab members at regular intervals

## LEADERSHIP/CLUBS

### Biomedical Engineering Graduate Student Council

*Member*

Ann Arbor, MI

September 2021 – Present

- Volunteer at biomedical engineering department events such as new student orientation and Ph.D. student recruitment
- Help organize and lead occasional social events for graduate students throughout downtown Ann Arbor

### Challah for Hunger

*Vice President*

Los Angeles, CA

February 2018 – March 2020

- Helped organize and lead biweekly challah bakes at the UCLA Hillel
- Sold over \$5,000 worth of challah and donated the proceeds to the Los Angeles Food Bank and Mazon
- Designed and maintained a code base for processing over 100 challah orders per event

## PUBLICATIONS

- Purcell RA, **Theisen RM**, Arnold KB, Chung AW and Selva KJ (2023) Polyfunctional antibodies: a path towards precision vaccines for vulnerable populations. *Front. Immunol.* 14:1183727.
- Lemke, M. M., **Theisen, R. M.**, Bozich, E. R., McLean, M. R., Lee, C. Y., Lopez, E., ... Arnold, K. B. (2022). A Quantitative Approach to Unravel the Role of Host Genetics in IgG-FcγR Complex Formation After Vaccination. *Frontiers in Immunology*, 13, 467.