

# Maximilian J. Hemmrich

📞 (248) 703-9349 | ✉ maximilian.hemmrich@gmail.com | 🌐 mhemmrich |  
📍 Maximilian-Hemmrich | 📍 6 S Laflin St, Apt 907, Chicago, IL 60607



## Education

 **University of Chicago Medical Center**  
RESIDENT PHYSICIAN, OTOLARYNGOLOGY-HEAD&NECK SURGERY

Chicago, IL  
2021-current

- Expected graduation June 2026
- Passed USMLE Step 3
- UPDATE THIS SECTION!
- GRAND ROUNDS TOPICS?

 **University of Chicago Pritzker School of Medicine**  
DOCTOR OF MEDICINE (MD)

Chicago, IL  
2017 - 2021

- USMLE Step 1 259 (4/2019) | Step 2 CK 270 (12/2020)
- Court and Sherry Cutting Scholar in Medical Education (2017) | Kappas Trust Fund Scholar (2018)
- Society of Hospital Medicine (SHM) Student Hospitalist Scholar (2018) | Abstract Reviewer for SHM 2020 & 2021 National Conferences
- Pritzker TECH leader - hosted 3-lead EKG building workshop, python coding/statistics course, hosted healthcare hackathon
- Washington Park Free Clinic - performed well-child visits, vaccinations, and sports physicals for uninsured patients
- South Side Science Scholars - taught after-school science lessons on nutrition, physics, and biology to 4th graders on South Side
- Chicago Youth Programs - weekly mentoring sessions to local high school students, assisted with job and college applications

 **University of Michigan**  
BACHELORS OF SCIENCE IN COMPUTER SCIENCE AND ENGINEERING

Ann Arbor, MI  
2012 - 2016

- GPA 3.90 / 4.00 | Dean's List Fall 2012 - Winter 2016, James B. Angell Scholar
- Minor in Biochemistry

## Professional Experience

 **Yahoo! Inc**  
SOFTWARE ENGINEER

Sunnyvale, CA  
2016-2017

- Developer Platforms & Services - scaled centralized Github Enterprise instance to achieve 99.99% uptime
- ADD MORE HERE MAYBE?

## Research Projects

**University of Chicago Department of Hematology and Oncology**  
ORAL PREMALIGNANCY PROGRESSION PREDICTION, PI: ALEXANDER PEARSON, MD, PhD

Chicago, IL  
2024-current

- "UPDATE THIS"

**University of Chicago Department of Medicine**  
COPD READMISSION PREDICTION, PI: VALERIE PRESS, MD

Chicago, IL  
2018-2021

- Built machine learning model using electronic health record data to predict risk of readmission after COPD exacerbation
- Disseminated findings at international, national, and regional conferences
- Received Healthcare Delivery Science Award for research excellence at 2018 Pritzker Summer Research Forum
- Received Health Service Research Abstract Award at 2019 American Thoracic Society International Conference
- Manuscript submitted, undergoing review and edits

**University of Chicago Department of Medicine**  
HEAD & NECK CANCER RECURRENCE DATABASE, PI: ALEXANDER PEARSON, MD, PhD

Chicago, IL  
2020-2021

- Built natural language processing classifier to extract tumor data from radiology notes
- Data will be combined with content extracted from pathology notes to build a recurrence database to assess efficacy of treatment modalities and determine predictors of recurrence

**University of Chicago Department of Medicine**  
COVID-19 NATURAL HISTORY, PI: RENSLOW SHERER, MD

Chicago, IL  
2020-2021

- Chart reviews of first 413 COVID patients at UChicago Medical Center
- Literature review for subgroup analysis of COVID in young and obese patients
- Poster presented at HIV Glasgow 2020 conference (virtual due to COVID)

## Publications

Brown, E. (2023). *Data Visualization Techniques: A Comparative Study*.

Jones, S., & Brown, M. (2021). Exploratory Data Analysis for Predictive Modeling. *Proceedings of the International Conference on Data Science*, 256-267.

Smith, J. (2020). An Introduction to Data Analysis Techniques. *Journal of Data Science*, 15(2), 123–145.

Wilson, D. (2022). *Machine Learning for Data Analysis*. Springer.

## Skills

Languages	English		French		Chinese
Tech Stack	Tableau		Python (Pandas/Numpy)		PostgreSQL
Personal Interests	Swimming		Cooking		Reading