

# MARA ALEXEEV, MD, MPH



## RELEVANT SKILLS

- **Currently Learning and Doing**  
Natural Language Processing in R and Python
- **Terminologies and Ontologies**  
ICD-10, LOINC, SNOMED CT, Hierarchical Presenting Problem ontology, Human Phenotype Ontology, CPT Codes
- **Special Medical Knowledge**  
Primary Care Pediatrics, Pediatric Oncology, Diabetes Mellitus I, School Health
- **Public Health**  
Impact Evaluation, Media Advocacy, Biostatistics, Health Policy, Public Health Journalism
- **R Packages**  
tidyverse — *especially ggplot2*, rmarkdown, bookdown, shiny, tidytext
- **Databases and Data**  
Boston Children's Hospital EDW, NEISS, wikidata, NHANES, Kaggle
- **R/Medicine Conference'**  
Organizing Committee 2020, 2021



## GRADUATE MEDICAL EDUCATION

Current  
|  
2020

- **Clinical Informatics Fellow**  
Boston Children's Hospital 📍 Boston, MA
  - Informatics consultant for Division of Developmental Medicine research project to create pipeline for research ready clinical information directly from free text notes entered at for patient care.
  - Updated newborn history data collection and helped to develop reusable data elements for clinicals from data collected from a Cerner PowerForm.
  - Exploring applications of Natural Language Process with Business Intelligence group.
  - Helped create BCRP Residency Handbook using R {bookdown} package.
  - Complex workflow analysis of transfers for patients from ICU to floor.
  - Optimization project for use of Cerner's Launchpoint within Primary Care Clinic to help improve patient flow, staff communication, and rapid order entry.



View this CV online with links at [maraalexeev.github.io/cv/](https://maraalexeev.github.io/cv/)

## CONTACT

✉ [mara.alexeev@gmail.com](mailto:mara.alexeev@gmail.com)  
🐦 [MaraAlexeev](#)  
🌐 [MaraAlexeev](#)  
🔗 [maraalexeev.com](https://maraalexeev.com)  
in [maraalexeev](#)

## LANGUAGE SKILLS

Spreadsheets	
R	
SQL	
Python	
Bash	
English	
Русский	
Deutsch	
ASL	
Norsk	

## CREDITS

Made with the R packages [pagedown](#) and [datadrivencv](#).

Last updated on 2021-09-26.

2020  
|  
2019



### **Pediatric Chief Resident**

Memorial Sloan Kettering Cancer Center

📍 New York City, NY

2015  
|  
2012



### **Pediatrics Internship and Residency**

Kaiser Oakland Medical Center

📍 Oakland, CA

- Diagnosed measles and alerted CDPH for first identified case in 2015 outbreak



## EDUCATION

Current  
|  
2020



### **Master of Biomedical Informatics<sup>2</sup>**

Harvard Medical School

NLM Biomedical Informatics Research and Data Science Fellow

📍 Boston, MA

2016  
|  
2015



### **Masters of Public Health**

*Interdisciplinary*

University of California, Berkeley

📍 Berkeley, CA

2012  
|  
2008



### **MD**

*Teaching Distinction Track*

University of Iowa

📍 Iowa City, IA

2008  
|  
2004



### **BS in Biochemistry**

*Summa Cum Laude*

Iowa State University

📍 Ames, IA

- Minors in Mathematics, German, and Russian Studies
- Attended on full ride scholarship as a National Merit Scholar



## MEDICAL WORK EXPERIENCE

Current  
|  
2020



### **Urgent Care Pediatrician**

Children's Hospital Primary Care Clinic

📍 Boston, MA

- Provide in person and virtual visits for all ages of pediatric patients

2018  
|  
2017



### **Field Physician for School District 22 in Brooklyn**

NYC Department of Health and Mental Hygiene

📍 New York City, NY

2017  
|  
2016



### **Outpatient Pediatrician**

Hawaii Permanente Medical Group

📍 Wailuku, HI

- Successfully managed critical airway in outpatient setting
- Identified extremely rare hematological condition and managed case with multiple subspecialists in Oahu
- Diagnosed Kawasaki Disease despite uncommon presentation without initial fevers

## MEDICAL CREDENTIALS

### ● Medical Licenses

Massachusetts State Medical License since 2020  
New York State Medical License since 2017  
California State Medical License since 2014, *inactive*

### ● Certifications

Board Certification, American Board of Pediatrics since 2015

## AWARDS AND HONORS

### ● Robert Stupka Memorial Scholarship<sup>3</sup> 2007

Iowa State University  
Department of Biochemistry, Biophysics, and Molecular Biology  
*For leadership and research excellence*

 Ames, IA

### ● Gold Humanism Honor Society<sup>4</sup> 2012

University of Iowa Carver College of Medicine

 Iowa City, IA

Some of my awards and prior work are under my maiden name of Determan

## ABOUT ME

### ● Personal Tidbits

Enjoy cooking — ask me about my SQL recipe database  
Voracious reader  
Devoted letter and postcard writer  
Journaled nearly every day since 2012

### ● Fun Facts<sup>5</sup>

Amazing SET player  
Over 4 year streak on Duolingo  
Grew up on a working farm  
Traveled to 47 US states; missing AK, MI, WV  
Met my future husband at Canada/USA Mathcamp  
Favorite gift ever — an electric drill

## LINKS

1: <https://r-medicine.org/>

2: <https://dbmi.hms.harvard.edu/people/mara-alexeev>

3: <https://stupka.bb.iastate.edu/stupka-scholars/>

4: <https://medicine.uiowa.edu/md/supporting-students/gold-humanism-honor-society/class-2012-inductees>

5: <https://www.duolingo.com/u/101460404>