

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
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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/

CONTACT

✉ mara.alexeev@gmail.com
🐦 [MaraAlexeev](https://twitter.com/MaraAlexeev)
🌐 [MaraAlexeev](https://MaraAlexeev.com)
🔗 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 2021-10-05.

- 2020
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2019
 - Pediatric Chief Resident**
 Memorial Sloan Kettering Cancer Center
 - New York City, NY
- 2015
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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
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2020
 - Master of Biomedical Informatics²**
 Harvard Medical School
 NLM Biomedical Informatics Research and Data Science Fellow
 - Boston, MA
- 2016
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2015
 - Masters of Public Health**
Interdisciplinary
 University of California, Berkeley
 - Berkeley, CA
- 2012
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2008
 - MD**
Teaching Distinction Track
 University of Iowa
 - Iowa City, IA
- 2008
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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
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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
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2017
 - Field Physician for School District 22 in Brooklyn**
 NYC Department of Health and Mental Hygiene
 - New York City, NY
- 2017
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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 Scholarship³ 2007

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

 Ames, IA

● Gold Humanism Honor Society⁴ 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 Facts⁵

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>