

Matthew Perrotta

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EDUCATION

MPH in Epidemiology, Certificate in Infectious Diseases Epidemiology

Aug. 2017 – May 2019

Columbia University Mailman School of Public Health, New York, NY

Executive board officer for the Columbia One Health Initiative

Relevant coursework: Applied Regression I and II, Data Science I and II, Public Health GIS, Applied Epidemiological Analysis, Analysis of Categorical Data, Epidemiology II and III, Application of Epidemiologic Research Methods, Infectious Disease Epidemiology, Epidemic Modelling of Infectious Diseases, Program Planning and Evaluation, Systems Thinking, Intervention Theory

Thesis: Predictive Modeling of Standardized Morbidity Ratio of Malaria in Malaysian Borneo using GAMs

BS in Biology, Minor in Environmental Policy

Aug. 2011 – May 2015

Fordham University College at Rose Hill, Bronx, NY

PROFESSIONAL EXPERIENCE

Biostatistics Teaching Assistant - Applied Regression I

Jan. 2019 – May 2019

Columbia University Mailman School of Public Health, New York, NY

- ♦ Create and edit solutions for exams and homework and review course material in coordination with Dr. Martina Pavlicova
- ♦ Grade student submissions and hold regular office hours and meetings by appointment with graduate students

H RTP Intern, Bureau of Tuberculosis Control

June 2018 – Mar. 2019

New York City Department of Health and Mental Hygiene, New York, NY

- ♦ Responsible for conducting an exploratory analysis (SAS) of diabetes in tuberculosis patients in New York City using EMR data
- ♦ Built Microsoft Access database to manage bureau administrative tasks

Core Teaching Assistant - Biological Determinants of Health

June 2018 – Dec. 2018

Columbia University Mailman School of Public Health, New York, NY

- ♦ Create course material, relevant quizzes and discussion posts in coordination with Dr. Marina Catallozzi
- ♦ Grade student submissions and hold regular office hours and meetings by appointment with graduate students

Intern, IDEEAL Project

April 2018 – Dec. 2018

EcoHealth Alliance, New York, NY

- ♦ Responsible for conducting background literature reviews for the Infectious Disease Emergence and Economics of Altered Landscapes project concerning the effect of deforestation on malaria incidence in Malaysia, gathering and cleaning data, and conducting descriptive, statistical, and geospatial analyses (R; libraries used: caret, pdfplots, ggplot2, tidyverse, corplot)

Clinical Research Assistant, Kelly-Pollock Lab

Mar. 2016 – Aug. 2017

Beth Israel Deaconess Medical Center, Boston, MA

- ♦ Coordinator for IRB approved study looking to quantify toxin concentration in asymptomatic carriers of *Clostridium difficile*
- ♦ Actively involved in NIH R01 funded study on patients symptomatic for *Clostridium difficile* infection
- ♦ Responsible for screening, enrolling, and follow-up for over 600 hospital inpatients for both research studies
- ♦ Wrote and implemented study protocols and completed IRB correspondence
- ♦ Built Microsoft Access database for study and performed literature review, data entry, and database management

Direct Care Counselor, Beverly House**June 2015 – Feb. 2016***North American Family Institute (NAFI), Peabody, MA*

- ♦ Provided counselling and mentoring for adolescents 12-18 years of age in a residential treatment home and was responsible for ensuring their safety and well-being
- ♦ Used conflict resolution to maintain children's safety and improve group dynamics
- ♦ Organized and lead group events to promote positive changes in children's lives and to reintegrate them into the community

Emergency Medical Technician**June 2014 – May 2015***TransCare, Mt. Vernon, NY*

- ♦ Provided emergency medical care and transportation in a calm, reassuring and efficient manner
 - ♦ Utilized clear verbal and written orders to accurately and efficiently communicate with patients and dispatcher
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VOLUNTEER ACTIVITIES**Floor Secretary****May 2014 – Mar. 2016***St. Elizabeth's Medical Center, Intensive Care Unit, Boston, MA*

- ♦ Managed the admittance and release of patients, assisted medical personnel in ordering necessary labs and organizing patient charts, and took all incoming calls

Health Science Educator and Tutor**Sept. 2011 – Mar. 2015***Winthrop Middle School, Winthrop, MA*

- ♦ Prepared and presented health science material to 8th grade science classes
- ♦ Provided tutoring to students as necessary and assisted in lab exercises

Emergency Medical Technician**Sept. 2013 – May 2015***Fordham University Emergency Services (FUEMS), Bronx, NY*

- ♦ Responded to medical emergencies within the Fordham community
- ♦ Student operated organization

Hospital Volunteer**Sept. 2014 – Mar. 2015***New York Presbyterian Hospital, Pediatric Emergency Room, New York, NY*

- ♦ Assisted patients with any non-medical needs to make ER stay more comfortable
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SKILLS**Technical Skills**

- ♦ Proficient in Microsoft Office Suit: **Word, PowerPoint, Excel, Access**
 - Experience building and managing databases in **Access**
 - ♦ Statistical Software: **R, SAS**
 - ♦ Geospatial Data Analysis Software: **QGIS, SaTScan, GeoDa**
 - ♦ Canvas Courseworks management
 - ♦ Vensim PLE
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HOBBIES

- ♦ Woodcarving (animal figurines) and sketching (botanical sketches)
- ♦ Ice Hockey (goaltender) and running
- ♦ When it comes to TV, I'm a big fan of Star Trek: The Next Generation and Battlestar Galactica