

Anthony Albertorio

Aiming to utilize my background in programming, neuroscience, and mathematics to build web apps and artificial intelligence systems for data intensive industries.



anthony.albertorio@gmail.com

Ask via Email

New York, NY

www.github.com/tesla809



Work Experience

01/2016 - Present

New York, NY

Research Coordinator & Database Manager Columbia University

Department of Pediatrics, Division of Molecular Genetics

Tasks

- Manages databases, creates SQL Queries and Python scripts for a Molecular Genetics research study investigating Spinal Muscular Atrophy and possible treatments.
- Recruits newborn babies and mothers in the postpartum wards of three New York-Presbyterian hospitals for genetic screening and possible clinical trials to treat Spinal Muscular Atrophy.

08/2013 - Present

New York, NY

Founder, Programmer & Business Development Ultima Technologies LLC

Tasks

- Provides consultation and contacts to startups in the synthetic biology, neuro-tech and internet sectors that have questions regarding company structure, strategy, marketing, finance, contract negotiation and programming support.
- Provides programming support and contacts to assist with system architecture support for companies.

02/2015 - 09/2015

New York, NY

Database Manager, Phlebotomist & Research Assistant Columbia University

Mailman School of Public Health

Tasks

- Database management and analysis of primary research data in SQL.
- Assisted in primary data collection and analysis of lung function, blood, anthropometric, home inspection and survey information for the CDC funded "NYC Neighborhood Asthma and Allergy" study.
- Administered blood draws and bio specimen data collection for the BARDA Funded "Adult Normal Baseline Radiation-Induced Gene Expression Biomarkers" study.

08/2013 - 07/2014

New York, NY

Database Manager, MRI Tech & Research Assistant Columbia University

Department of Psychiatry and New York State Psychiatric Institute

Tasks

- Collected and preformed data analysis on human brain data from fMRI, EEG, RNA, and IQ exams for a National Institute of Mental Health neuroscience research study looking to discover biomarkers to predict depression medication response rates.
- Database management, entry and data analysis for Nuvigal + Hepatitis C and neuroscience study.

Education

08/2004 - 06/2009

International Criminal Justice + Economics City University of New York- John Jay College

Skills & Competences

Critical Thinking



Algorithms



JavaScript



React.js



Node.js



HTML/CSS



Python



R



SQL



MongoDB



npm



Achievements & Certifications

Founder and Organizer of AI @ Columbia University Medical Center.

A Meetup group which focuses on taking an interdisciplinary approach towards the learning and development of artificial Intelligence.

Data Structures and Algorithms Specialization

A Coursera certification which covers data structures, algorithms and computational complexity

Team Treehouse Full Stack JavaScript

An online course covering web development with Javascript, Object oriented programming, jQuery, AJAX, Node.js, and MongoDB

Self-motivated to learn programming and mathematics

Self-motivated to independently learn Python, JavaScript, statistics, calculus, probability, and discrete math.

Languages

English

Native or Bilingual

Spanish

Native or Bilingual

Interests

Artificial Intelligence | Programming | Mathematics |

Neuroscience | Reading | Medicine | Stand Up Comedy