Anthony Albertorio

Full Stack Developer // Data Scientist

Aiming to utilize my background in programming, neuroscience, and mathematics to combine beautiful UI/UX interfaces with artificial intelligence systems for data intensive industries.

anthony.albertorio@gmail.com ✉

Ask via Email ☎

New York, NY 📍

www.github.com/tesla809 ⌂

Work Experience

09/2016 - Present   *New York, NY*

Front End Developer
Optimatic Media
Dev Group

Tasks

- Writes high performance code using Javascript (ES5 and ES6), Babel, Node.js, Gulp.js, HTML5, and CSS3 to create various proprietary video ad player technologies.
- Created and maintains Hybrid.js player to allow subscribing publishers to load either HTML5 creatives and Flash creatives using proprietary video ad player.
- Adheres to adTech standards and new developments to inform design

01/2016 - 09/2016   *New York, NY*

Developer & Research Coordinator
Columbia University
Department of Pediatrics, Division of Molecular Genetics

Tasks

- Processed, analyzed and visualized medical research data with Python, SQL, P5.js and D3.js to help principal investigators with research studies.
- Managed databases, creates SQL Queries and Python scripts for a Molecular Genetics research study investigating Spinal Muscular Atrophy and possible treatments.
- Recruited about 800 newborn babies from mothers in the postpartum wards of three New York-Presbyterian hospitals for genetic screening and possible clinical trials to treat Spinal Muscular Atrophy.

02/2015 - 09/2015   *New York, NY*

Database Developer & Research Assistant
Columbia University
Mailman School of Public Health

Tasks

- Led database development, analysis and visualization of primary research data with Python, SQL, and D3.js.
- Assisted in primary data collection and analysis of biometric, 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 Developer, 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.
- Led database development and data analysis for Nuvigal + Hepatitis C and neuroscience study with Python and SQL.

Education

08/2004 - 06/2009   *New York, NY*

Economics + International Relations
City University of New York: John Jay College

Skills & Competences

Critical Thinking	Algorithms
JavaScript (ES5 & ES6)	HTML5/CSS3
Node.js	Python
npm	Scikit-Learn
D3.js	SQL
Babel	NumPy
Gulp.js	BASH
React.js	Linux
P5.js	Git
jQuery	R
MongoDB	C#

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.

Team Treehouse Full Stack JavaScript
- An online course covering full web development with Javascript, jQuery, AJAX, React.js, D3.js, Node.js, and MongoDB

Data Structures and Algorithms Specialization
- A Coursera certification which covers data structures, algorithms and computational complexity

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