Sebastián Romero Cruz

sebastianromerocruz.github.io (914) 318 8893 sebastian.romerocruz@nyu.edu

Technical Skills

Programming Languages	1 2 3 4 5
Python, JavaScript, Java:	O O O O O
HTML, CSS, C#:	O O O O
C++:	O O O

Software and Frameworks	1 2 3 4 5
jQuery, Bootstrap, D3.js:	O O O O O
Apache Spark, Git:	O O O O
Node.js, Docker:	O O O

Professional Experience

New York University Tandon School of Engineering — Brooklyn, New York *January 2020 – Present*

Adjunct Faculty

- Forming part of the Introduction to Programming and Problem Solving with Python team, instructing 6 laboratory sections across a total of 227 students, providing them with practical application of lecture material.
- Holding biweekly homework help sessions as well as exam review sessions prior to every midterm and final exam.

Skandinaviska Enskilda Banken (S.E.B.) — New York, New York *June 2019 – September 2019*

Data Science Intern

- Using the Google Places and OpenStreetMap APIs, developed a geocoding program capable of extracting the geometry of the physical assets of 100,000+ global companies across 11 sectors and 70 industries.
- Implemented appropriate pre-processing, filtering, and identity matching algorithms including a custom stop-word remover and a fuzzy-string token matching system towards refining the results.

Projects

***Reframe (Mobile Game)*: Advanced Project in Computer Science in Unity** *September 2019 – Present*

- Developed a 2D, “decluttering” simulation video game in Unity (C#), fully in charge of programming, artwork, writing, and score composition, set to be released in 2020 Q2 for iOS.
- Using Logic Pro X for music and sound design, as well as Aseperite for graphics, developed a full suite of game assets including a full soundtrack, sound effects, backgrounds and items.

Pitchfork Review Sentiment Analysis *February 2019 – May 2019*

- Lead a team of 5 towards creating an automatic, fully scalable quantitative music scoring service using natural language processing (NLP) of 18,393 music reviews using Apache Spark.
- Developed a logistic regression machine-learning model that maximized the multi-class classification F-measure of the model to 0.383, improving on the original linear regression model.

Education

New York University Tandon School of Engineering — New York, NY *2020*

Master of Science: Computer Science | GPA: 3.8

New York University Tandon School of Engineering — New York, NY *2017*

Bachelor of Science with Honors: Chemical and Biomolecular Engineering | GPA: 3.4