SEBASTIÁN ROMERO CRUZ

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Technical Skills

Programming Languages	Experience		Software and Frameworks	Experience
Python, JavaScript, Java:	● ● ● ● ●		jQuery, Bootstrap, D3.js:	● ● ● ● ●
HTML, CSS, C#:	● ● ● ●		Apache Spark, Git:	● ● ● ●
C++:	● ● ●		Node.js, Docker:	● ● ●

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