

Francesca Zambrano  
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**EDUCATION:** FORDHAM UNIVERSITY, Bronx, NY  
Bachelor of Science in Computer Science  
Graduation date: May 2019  
GPA: 3.2

### SKILLS & STRENGTHS

- Programming: Python, C++, HTML, CSS, JavaScript, PHP, Swift
- Operating Systems: UNIX, Linux, Windows, macOS
- Databases: Oracle, SQL, MySQL
- Applications: MS Office Suite, Visual Studio Code, Xcode, Jupyter Notebook

### TECHNICAL EXPERIENCE

**PYTHON INSTRUCTOR AT GIRLS WHO CODE** June, 2019 - Present

- Led the Bank of America's third annual Summer Immersion Program to heighten the exposure of females to technology.
- Taught 20 senior high school students Web Development and Python for Data Science.
- Guided students in building a website as their final project.
- Supported students in implementing Arduino into robots that demonstrate fundamental locomotion.
- Coordinated field trips and the delivery of technology for the students to the bank.
- Facilitated communication between tech departments in the bank involved with Girls Who Code.
- Python, Javascript, HTML, CSS, PHP, SQL, and API's.

**TEACHING ASSISTANT AT FORDHAM UNIVERSITY** September, 2018 - May, 2019

- Aided faculty with classroom instruction, exams, and curriculum development for three computer science courses.
- Assisted students with C++, object-oriented programming, algorithms, and data structures topics to students in class and during office hours.
- Aided students in the implementation and functionality of programs such as Sublime, Xcode, Visual Studio Code, and NetBeans.
- Managed operating system/compiler and development environment upgrades.
- C++

**SOFTWARE DEVELOPER INTERN AT KINDMIND TECHNOLOGY** September, 2017 - January, 2019

- Developed front and back end software to enhance user experience for a mental health company with a focus on user login and home screen features.
- Performed Oracle database programming and tuning of SQL queries.
- Independent project coordination of two application efforts, including leading the development of the community forum and mobile home screen using the Agile Scrum methodology.
- Swift, JavaScript, HTML5, Sails.js, AWS, SQL.

**WEB DEVELOPMENT INSTRUCTOR AT CODE INTERACTIVE** October, 2017 - September, 2018

- Developed and conducted a course in Web Development for junior and senior high school students.
- HTML, CSS, PHP, SQL, and JavaScript.

**SOFTWARE DEVELOPER INTERN AT BROOKHAVEN NATIONAL LABORATORY** June, 2017 - August, 2017

- Collaborated with microbiologists to advance their research in genetic disorders by developing efficient algorithms for the filtering of the most common DNA subsequences in an organism.
- Transformed data in various formats from web/mobile apps into analyzable formats (CSV, SPSS, and Excel)
- SQL, C++, Excel, CSV, SPSS