

Alexa Muratyan

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Education

Fordham University

Bachelor of Science in Computer Science

Bronx, New York

Expected May 2021

Coursework: Java Programming, Data Structures, Discrete Structures, Data Communications & Networks, Computer Graphics Design, Multivariable Calculus, Physics, Software Engineering, Computer Organization, Data Mining, Computer Algorithms

Clubs: Girls Who Code, Computer Science Society, CSS Research

Work & Experience

Wearable Device Authentication Project, MW-Lab, Fordham University

Bronx, New York

Research Assistant

June 2019–Present

- Developed machine learning models to identify a valid user implicitly
- Collected biometric data from different wearables and recording devices
- Performed feasibility testing using statistical analysis

The Coder School, Computer Training School

Syosset, New York

Code Coach

September 2019–August 2019

- Was responsible for teaching students (ages 6-18 years old) how to code using a project immersion methodology
- Designed curriculums and taught Python Art and Micro:bit camps
- Proficient in teaching the following programming languages: Python, Java, HTML, Scratch

Town of Oyster Bay, Public Safety Department

Syosset, New York

Cybersecurity Intern

June 2019–August 2019

- Monitored and repaired 300+ cameras and programmable logic controls throughout the Town of Oyster Bay
- Conducted security audits to identify weaknesses in the system and recommended improvements
- Constructed spreadsheets for the departments' supply and purchases

AGBU, Armenian Non-Profit Organization

New York, New York

Data Analyst

January 2019–May 2019

- Digitized 700+ scholarship files (about 20,000 bits of information) from 1958-2010 in English and Armenian
- Conducted preliminary statistical analysis on Excel
- Created an analysis report of demographic and financial information
- Corrected any data entry error to prevent later issues such as duplication or data degradation

National Instruments, Software & Engineering Firm

Yerevan, Armenia

Computer Engineering Intern

June 2018–August 2018

- Received training and certification from NI (courses 1 & 2) on how to graphically code on their software LabVIEW
- Worked closely with computer engineers to help resolve complications in their projects and improve operations
- Coded projects weekly on the LabVIEW platform

Leadership

GITC Mentorship Program

Mentor

September 2020–Present

- Mentored several aspiring computer science students from Armenia and provided them with various resources and information regarding their prospective careers in STEM
- Educated 4 mentees on HTML and led them through a website building project
- Communicated with mentees weekly through email and video calls

Bumble

University Campus Director

January 2019–Present

- Led and motivated a team of 3 at Fordham University- communicated monthly learnings from HQ to the team to optimize the program and local marketing strategies Educated 4 mentees on HTML and led them through a website building project
- Oversaw and executed 16 events at the campus level on a monthly basis from start to finish
- Managed campus-level budget, team operations, and logistics

Skills & Programming Languages

Python, Java, HTML, CSS, JavaScript, C++, LabVIEW, Microsoft Office