

# ALEX ROSA

## EDUCATION

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**Borough of Manhattan Community College**  
A.S in Computer Science

**January 2017**  
GPA: 3.7

Relevant Coursework: Schedulers/Operating Systems, Algorithms Design, Compilers, Computer Systems, Data Structures

## RELEVANT EXPERIENCE

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### Lead Developer, Circle

10/2020-1/2021

- Used swagger UI to automate API documentation and design.
- Set up JWT to authenticate users with a signed private key from java KeyStore
- Utilized Lombok and Mapstruct libraries to automate the creation of constructor methods and mapping classes

### Junior Developer, eMarketingTech Solutions

8/2019-8/2020

- Converted existing company legacy application into modern spring mvc architecture with angular as the frontend framework
- Continuously tested code using Junit and Mockito

### Junior Developer, ITC Management

5/2018 – 6/2019

- Created employee login portal using java servlets
- Made company site responsive and mobile friendly
- Implemented OAuth login into company portal

### Developer Intern, InoTech Global

8/2017-1/2018

- Created a new database using AWS RDS and transferred existing local database to the cloud
- Tested new features using Mockito

### Teaching Assistant, Borough of Manhattan CC

8/2016-12/2016

- Explained and taught java concepts and protocols to a group of ~20
- Improvised lessons when professor was absent

## LEADERSHIP

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### Frontline Supervisor, UPS

11/2017 - 5/2020

- Led a team of 10-20 employees to meet production goals
- Handled employee discipline and recognition
- Utilized proprietary analytic software to devise goals for increasing productivity
- Ran and debugged a mechanically automated sorting system

## PROJECTS

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**Visual Sorter**- Angular website that visualizes sorting algorithms using CSS keyframes and the Hostbinding angular library that allow for dynamic animations. Available on Github.

**ZorkVoice**- Created a protocol for a C and Java program to communicate and used the google SpeechRecognizer library to add voice input to the classic game. Made API calls to thesaurus.com to expand word input range. Available on Github.

**BigIntCalculator**- Created a calculator in C++ that is not limited by the specifications of Int or Long but is instead limited by system memory and uses overloaded operators to perform calculations. Available on Github.

## SKILLS

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*Languages:* Java, x86Assembler, C, C++, Javascript, HTML, CSS, Oracle SQL, Typescript,

*Libraries/Frameworks:* JDBC, JSP, Servlets, SpringBoot/Maven, Hibernate, AWS, RDS

*Technologies:* Selenium, Junit, Mockito, Jasmine, AWS,