**James Goodman**

<https://github.com/UltimaJames>

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**EDUCATION**

**Queens College,** City University of New York, Queens, NY **Graduated May 2018**

Bachelor of Arts, Computer Science

GPA: 3.259; Dean’s List, Spring 2016.

***Relevant Courses:*** Data Structures; Design & Analysis of Algorithms; Object Orientated Programming in C++/Java; Database Systems; Theory of Computation; Computer Graphics; Computational Finance; Quantum Computing.

**PROFESSIONAL EXPERIENCE**

**LGC, New York MTA EAM-PSI, Technical Consultant Aug 2018 – Present**

* Currently testing a .NET UI application that will run Asset Performance Management (APM) scripts and log test case attributes such as: Test Description, Test Performance, Expected Result, Actual Result and Pass/Fail.
* Designed a .NET tool that parses through rail asset analytics and formats them for upload into Metro-North Railroad and Long Island Rail Road’s Railway Maintenance Decision Support System. This application has saved hundreds of hours of employee time by automating the formatting process.
* Built a Java application that utilizes the JavaMail and Quartz Scheduler API’s for downloading client emails and attachments to the user’s local machine for upload to SharePoint.
* Developed a Status Report Generator that utilizes the Outlook and Dropbox API for efficient transferring and storing of weekly employee status updates.

**Department of Education, Solutions, Design and Engineering Internship** **Dec 2017 – Aug 2018**

* Reengineered an application to automate the DOE’s image testing by extracting system and application information from a terminal and outputting the data into a generated .CSV file, reducing the time required for image testing by over 50%.
* Developed and tested a UI application to manipulate chrome registries for Windows 7/10 and allow certain restrictions to be lifted for teachers. Application was put into the DOE’s 2018 – 2019 school image and approved for usage in over 1,000 schools across all 5 NYC boroughs.

**Rockefeller University, Cyber Security Analyst Internship** **Aug 2016 – Aug 2017**

* Tested and documented Splunk API documentation for creation of an internal Java Reporting Application.
* Created and optimized numerous Splunk malware detection scripts.

**PROGRAMMING PROJECTS**

**Secure Password Generator and Vault Application, Java, Android Studio:**

* Randomly generates a user specified password of 8 to 64 characters.
* Characterizes and outputs the strength of the user generated password according to an algorithmic formula.
* Stores the generated password with a user specified identifier in a vault that is protected by pin authentication.

**Claws&Paws Database Application, Java, MySQL, NetBeans, Workbench 8.0:**

* User Access login that utilizes JDBC and MySQL to authenticate user credentials. After credentials are verified application directs to a Swing database UI that displays customer information and provides CRUD functionality.

**Computational Finance Projects, C++, Dev C++:**

* Collection of programs that compute finance formulas such as: Bisection Algorithm and Macula Duration.

**PROGRAMMING LANGUAGES/DESIGN & IDE TOOLS**

**Programming Languages:** Java, JavaFX, Python, C++, C#, HTML, CSS, SQL.

**IDE & Design Tools:** Eclipse, Visual Studio, Android Studio, JetBrains PyCharm, Intellij IDEA, Dev-C++, Notepad++, NetBeans, SQL Server Management Studio, MySQL, Git, Git Bash, Maven, Gradle, XML, JSON.