

# Aleksandr Agapitov

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## EDUCATION

### RUTGERS UNIVERSITY

BS in Computer Science  
May 2020 | New Brunswick, NJ  
School of Arts and Sciences

## LINKS

Github:// [Cushionyten0](#)  
LinkedIn:// [Aleksandr Agapitov](#)  
Hackerrank:// [cushionyten0](#)  
Personal website:// [aleksvagapitov.me](#)

## COURSEWORK

### UNDERGRADUATE

Internet Technology  
Principles of Information and Data Management  
Principles of Programming Languages  
Design and Analysis of Computer Algorithms  
Discrete Mathematics  
Linear Optimization  
Numerical Analysis  
Computer Architectures

## SKILLS

### PROGRAMMING LANGUAGES

Over 1000 lines:  
- C# with ASP.NET Core 2.0  
- Python  
- Java  
- C/C++/Objective-C  
Familiar:  
- MySQL  
- Bash Scripting  
- MongoDB  
- CSS  
- Assembly  
- Javascript with AngularJS

### TECHNOLOGIES:

Amazon AWS: RDS and EC2/ECS  
Docker  
Travis-CI  
Postman

## PROJECTS

### TRIP PLANNER AND RECORDER

C# with ASP.NET | 2018

Website for tracking the travel locations within trips. Written in C# using Asp.Net Core 2.0

- Authentication through Asp.Net Identity
- Implemented full deployment lifecycle Github/Travis-CI/Amazon EC2
- Code gets pushed to git, Travis-CI picks it up and passes the connection information for Amazon RDS and EC2 without any sensitive information being present in the repository itself.
- Website also utilizes Docker Container in order to provide reliable deployment to any machine
- Used Asp.Net EntityFrameworkCore to communicate with MySQL database
- Used Angular JS to put less strain on server as well as implementing interactive features
- Used Google Maps API as well as Bing API to create a map consisting of accurate location of all cities in the Trip
- Implemented REST API

### IOS CALCULATOR

Objective-C | 2015

Mobile Calculator App

- Senior Year High-School Project made using Objective-C

## CLASS PROJECTS

### PRINCIPLES OF INFORMATION AND DATA MANAGEMENT

Java and MySQL | 2018

A Website imitating the use of Ebay

- Implemented using Java, with main focus being on SQL queries to retrieve information such as SalesReports and number of sales as well as revenue for a user.
- Hosted through Tomcat and AWS

### INTERNET TECHNOLOGY

Python | 2018

A set of Client/Server type projects

- Wireshark Labs
- First project for printing "Source IPs/Destination TCP ports count" in a .pcap files
- Second project for finding Probes/Scans and printing out source IP's in a .pcap files
- Reliability: Selective Repeat

### COMPUTER ARCHITECTURES

C | 2017

Y86 Emulator

- Program that emulates Y86 instructions on Intel host computer system.