Aleksandr Agapitov

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EDUCATION

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

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 | May 2018 - Present
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
• Communicated with MySQL database using ASP.NET EntityFrameworkCore
• To minimize the strain on the server as well as to implement interactive features
Angular JS was used
• Created a map consisting of accurate locations of all cities in a Trip using
Google Maps API as well as Bing API
• 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 | January 2018 - May 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 | January 2018 - May 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 | July 2017 - August 2017
Y86 Emulator
• Program that emulates Y86 instructions on Intel host computer system.