

# Aleksandr Agapitov

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## EDUCATION

### RUTGERS UNIVERSITY

School of Arts and Sciences

B.S. Computer Science

December 2019 | New Brunswick, NJ

## LINKS

Github:// [aleksvagapitov](#)

LinkedIn:// [aleksvagapitov](#)

## COURSEWORK

### COMPUTER SCIENCE

CS419 - Computer Security

CS352 - Internet Technology

CS336 - Principles of Information and Data Management

CS314 - Principles of Programming Languages

CS344 - Design and Analysis of Computer Algorithms

CS323 - Numerical Analysis

### MATHEMATICS

MATH354 - Linear Optimization

MATH251 - Multivariable Calculus

## SKILLS

### LANGUAGES

- C# ASP.NET

- Angular, Javascript, HTML, CSS

- SQL, MongoDB

- Bash, Python, Powershell

### INFRASTRUCTURE

- OS: Linux, Windows, MacOS

- Containers: Docker

- VPS: AWS, Azure, DigitalOcean

- Provisioners: Terraform

- CI/CD: TeamCity, Travis-CI

## EXPERIENCE

### TDK ELECTRONICS INC. | Software Engineering Intern

Apr 2019 - Present | Iselin, NJ

Worked on a development team to plan, design and develop an application to process quotes, make requests for parts as well as to track shipments

- Developed management system which supports Distribution Sales Department
- Worked with C#, ASP.NET, ADO.NET, MSSQL
- To deliver a great user experience the following Javascript Frameworks were used: Angular, Datatables and Handsontable

## PROJECTS

### TRIP PLANNER AND RECORDER | [Link](#)

May 2018 - Dec 2018

A website for tracking the travel locations within trips. Written in C# using ASP.NET Framework

- Authentication through ASP.NET Identity
- Implemented full deployment lifecycle Github/Travis-CI/AWS EC2/Docker
- Communicated with MySQL database using Entity Framework
- To minimize the strain on the server as well as to provide 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

### CYBER SECURITY TOOLS

Jan 2019 - May 2019

End-To-End Encrypted Communication

- Implemented a solution for encrypting files using public key and decrypting using private key
- Substitution Cipher Decryptor
- Implemented Algorithms to break substitution ciphers programmatically using Python

### AUCTION WEBSITE

Jan 2018 - May 2018

A website for creating an action for an item, bidding, buying out and calculating profits

- Implemented using Java with Java Server Pages Extension, with main focus being on SQL queries to retrieve information such as SalesReports as well as revenue for a user.
- Hosted on AWS using Tomcat

## LEADERSHIP

### COMPUTER SCIENCE CLUB

Sept 2014 - May 2016

- Founded a Computer Science club in High School
- Success of the club allowed to leverage request for Computer Science classes to be part of school program