

# DENNIS KRUPITSKY

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## EDUCATION

College of Staten Island (CSI) – **3.93 GPA**

*Bachelor of Science in Computer Science*

Staten Island, New York

*August 2017- Dec 2020*

**Relevant Courses:** Data Structures, Object Oriented Programming, Assembly Language, Operating Systems, Advanced Web Development, Databases, Discrete Math, Algorithms, Artificial Intelligence, Machine Learning, Calculus 1-3, Switching and Automation Theory

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## SKILLS

**Languages:** C++, C#

JavaScript, React.js, Ember.js

SQL, Perl, PHP, MATLAB,

Python, HTML, CSS, Node.js

**Tools/Software:** Adobe Suite,

Microsoft Office, Tableau,

Alteryx, Git

**Operating Systems:**

Mac OS, Unix/Linux,

Windows

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## WORK EXPERIENCE

### COMPUTER SCIENCE LAB TUTOR, CSI

Staten Island, NY - *October – December 2019*

- Worked as a tutor in 3 separate sections of the Intro to Computer Science course
- Successfully analyzed and debugged code (C++) written by students to help solve problems
- Assisted students in understanding the fundamentals of programming

### SOFTWARE ENGINEERING INTERN, UBS

Weehawken, NJ - *June – August 2019*

- Developed scripts utilizing **Perl** and **SQL** languages that automated report generation of trade data from the Martini repo trading application
- Applied SonarQube static code analyzer to the Martini application codebase for review of existing bugs and vulnerabilities in order to improve technical integrity
- Winner of 2019 UBS Intern Challenge – Created a pitch for possible future integration of existing legacy systems at UBS with Microsoft Azure services in collaboration with other Group Technology interns

### DESIGNER ASSISTANT, BELMAN MEDIA INC

New York, NY – *2016-2017*

- Assisted in creation of 10 storyboards and design for various media banner campaigns by utilizing **HTML**, **CSS**, and **JavaScript**
  - Data Analysis for consumer products to determine design specifications that will appeal to the customer market
  - Assisted in creating test cases for user acceptance testing to ensure successful project implementation
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## SELECTED PROJECTS

### COVID-19-TRACKER (React.js & Express.js)

*2020*

- Full Stack Application using **React.js**, **Express.js** and **Google Firebase**, utilizing several APIs including Twilio, NumVerify and COVID-19 Statistics.
- ReactJS powered front-end application using MaterialUI and Charts.js to display various statistics regarding COVID-19 hosted on AWS Amplify
- Paired the webpage to an Express.JS powered back-end hosted on Heroku for allowing users to register for daily text messages with statistics

### IMAGE CLASSIFICATION RESEARCH PROJECT (Python)

*2019*

- Proposed and developed topologies for image recognition based on convolutional neural networks, along with building the learning strategies for these topologies.
  - Evaluated the accuracy of classification (detection) results by using different approaches such as batch training, different activation and loss functions, augmentation, normalization, stand pooling and dropout.
  - Performed experiments with medium and large size datasets, to plot and analyze the experimental results and make recommendations related to different applications and architectures.
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## AWARDS

- Dean's List at the College of Staten Island (2017-2019)
  - National Grid Scholarship for outstanding Academics (2018)
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## INTERESTS & ACTIVITIES

- Lacrosse, Baseball, Basketball, Football, Snowboarding
- Proficient in Russian Language
- UBS Hackathon 2019
- CSI Computer Science Club