

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

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

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

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.

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
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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