DENNIS KRUPITSKY

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EDUCATION

College of Staten Island (CSI) – **3.94 GPA**   Staten Island, New York
Bachelor of Science in Computer Science   *August 2017- Dec 2020*

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

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SKILLS

Languages/Frameworks:	Tools/Software:	Operating Systems:	Certifications:
C++, C#, Python, JavaScript, Node.js, React.js, Ember.js, SQL, Perl, PHP, Go, Swift, HTML, CSS, MATLAB	Microsoft Office Adobe Suite, Git Tableau, Alteryx	macOS, Unix, Linux Windows	iOS Development, BMC

WORK EXPERIENCE

GCTO CORE ENGINEERING INTERN, UBS   Weehawken, NJ - *July – August 2020*

- Apart of Big Bet 1 & 2 whose goal is to deliver engineering tech to "transform the bank". Aims to create a dynamic developer experience and a common services ecosystem.
- Contributed to the UBSCTL codebase (**Go**), which will allow developers to go from app creation to deployment only using this command line interface
- Participated in the UBS Intern Challenge by delivering a pitch and demo (**ReactJS**) in collaboration with other interns for a platform to manage the return of employees to the office post COVID-19 quarantine

COMPUTER SCIENCE LAB TUTOR, CSI   Staten Island, NY - *October – December 2019*

- Successfully analyzed and debugged code (**C++**) written by students to help solve problems
- Assisted students in understanding the fundamentals of programming

IB TECH GALM 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 vulnerabilities and bugs 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

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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.

AWARDS

- Dean's List at the College of Staten Island (2018-2020)
- National Grid Scholarship for outstanding Academics (2018)

INTERESTS & ACTIVITIES

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