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*
- The teams objectives are to transform software development and delivery across the whole of UBS technology, by leveraging next generation industry tooling and developing bespoke products (e.g. UBSCTL)
- Apart of the UBSCTL development team – this tool is written in **Go** and is an advanced CLI tool for development teams to move an application from an inception phase, right across to deployment
- UBS Intern challenge: creating a POC system to aid UBS's strategy of slowly returning employees back to the office (written in **ReactJS**)

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