**DENNIS KRUPITSKY**

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**Github**: <https://github.com/denniskrup> **Portfolio:** <https://www.denniskrupitsky.com/>

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**TECHNICAL SKILLS**

**Languages/Frameworks:** Python, Go, C++, C#, JavaScript, React.js, Ember.js, Node.js, Swift, SQL, Perl, PHP, MATLAB

**Tools/Software:** Docker, MySQL, PostgreSQL, NoSQL, Git, Alteryx, Tableau, Microsoft Office

**Operating Systems:** Windows, Linux, Darwin, Unix

**Certifications:** iOS Development, BMC

**WORK EXPERIENCE**

**GCTO CORE ENGINEERING GTP, UBS** Weehawken, NJ – *August 2020 – Present*

* Worked on integration and development for Grafeas (an open-source artifact metadata API) with UBSCTL (an advanced CLI tool development tool)
* Developed CI pipeline for creation of new applications within Gitlab based on information from internal app directory

**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 **Perl** and **SQL** scripts 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 (**C#**)

**SELECTED PROJECTS**

**COVID-19-TRACKER (React.js & Node.js)** *2020*

* Full Stack Application using **React.js**, **Node.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 a Node.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.

**EDUCATION**

College of Staten Island (CSI) – **3.94 GPA** New York

*Bachelor of Science in Computer Science August 2017- Dec 2020*

**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
* CSI Computer Science Club