

PRESTON RAKOVSKY

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EDUCATION

Northeastern University, Boston, MA

Sept 2018 – Present

Khoury College of Computer Sciences

Bachelor of Science in Computer Science & Business Administrator (Finance)

Relevant Courses: Algorithms and Data, Computer Systems, Computer Science I & II, Data Science I

GPA: 3.6/4.0 | Dean's List

COMPUTER KNOWLEDGE

Languages: Python, Java, SQL, Javascript, ReactJS, HTML/CSS, Go, PHP

Tools/Libraries: RESTful API, Postman, Pandas, Git, Google Cloud Platform Cloud Functions

WORK EXPERIENCE

- Aug – Dec 2020 **Poloniex, Software Engineer Co-op** Boston, MA
- Implementing features/bug fixes into cryptocurrency exchange using Go, PHP, and Docker
- Jun – Jul 2020 **Dell Technologies, Software Engineer Intern** Hopkinton, MA
- Utilized *REST APIs* and *Python* to integrate vulnerability management system with internal ticketing system, increasing FY 2021 internal ticket volume by 843%
 - Designed workflows to break down scripts in order to communicate programming logic for stakeholders
 - Conducted Single Linear Regression Analysis of the relationship between internal vulnerabilities and the year to date using *sklearn*
 - Visualized vulnerability data in statistical graph format using *Pandas*, *NumPy* and *Plotly*
- Apr – Aug 2020 **Facebook, Data Challenge Finalist** New York, NY
- Engaged in SQL workshops and mock interviews with Facebook Data Engineers and Data Scientists
 - Paired with Data Scientists and Data Engineers at Facebook to learn about working at the field of Data Science and life at Facebook
 - Generated ideas for columns include for a historical NYC public park event dataset
 - Selected as 1 of 80 from a pool of 600 eligible applicants for this 4 month program
- May – Aug 2019 **ING Financials LLC, IT Development Solutions Intern** New York, NY
- Spearheaded development of interactive SQL Mapping tool in *Java* from start to finish
 - Engineered automation projects for internal departments using Robotic Process Automation
 - Facilitated advancement of existing reporting tool for Regulatory Taxes using *Apache Tomcat* and *JSP*

PROJECTS

- Chicken Tinder** (React Native, Google Cloud Platform, Python) Aug 2020
- Card swiping React Native app that employed a Python script on GCP's Cloud Functions that called a Yelp's *REST API* to generate 50 nearest restaurants to your given location and rendered them in a card-deck format
- Smart Mirror** (Javascript, Raspberry Pi) Jul 2019
- Utilized Dark Sky *REST API* and third-party Google API wrapper to engineer 'smart' mirror that displayed weather, time, date, and Google Calendar events on mirror

VOLUNTEER EXPERIENCE

- Sep – Nov 2019 **NU SPLASH, Cybersecurity Co-Teacher** Boston, MA
- Developed and co-led cybersecurity curriculum for high school students about basics of offensive security techniques from several OWASP Top 10 vulnerabilities, cryptographic hash and salting, and basic networking
- Oct 2018 – Mar 2020 **Sustainable Business Network, Business Relations and Interviewer** Boston, MA
- Coordinated with local businesses of Boston to schedule interviews
 - Organized interviews with CEOs of businesses in the Greater Boston Area about their business practices