# Christopher Kazakis

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## EDUCATION

**UNIVERSITY OF VIRGINIA** — **CHARLOTTESVILLE, VA**
*Bachelor of Arts, Computer Science* — *DECEMBER, 2020*

- **3.96/4.0 GPA (Major)** | 3.87/4.0 GPA (Cumulative)
- Coursework: Algorithms, Probability, Data Structures, Artificial Intelligence, Regression Analysis, Machine Learning, Theory of Computation, Linear Algebra, Stochastic Processes, Cloud Computing
- Dean's List (3 Semesters), Chess Club Member, Machine Learning Club Member

**NORFOLK ACADEMY** — **NORFOLK, VA**

- 4.0/4.0 GPA — *MAY, 2017*
- **SAT: 1520/1600**
- National AP Scholar, Varsity Crew Captain, Girl-Up Club President, International Relations Fellow

## EXPERIENCE

HILLSBOROUGH CAPITAL — **CHARLOTTESVILLE, VA**
**QUANTITATIVE RESEARCHER** — *SUMMER 2019, 2020*

- Created high-volume alert system with **Python** and **SQL**, that has motivated hundreds of trades per month for over a year
- Built long-short term memory (LSTM) model in **Keras** to predict changes in behavior of front-month SPX e-mini futures
- Searched for patterns in market data with Google Colab using neural networks, support vector machines, and regression

HACKCVILLE DATA SCIENCE BOOTCAMP — **CHARLOTTESVILLE, VA**
**STUDENT** — *JANUARY 2019 – JUNE 2019*

- Learned basics of data collection, cleaning, and analysis using **Pandas**, **NumPy**, **Matplotlib** and other Python packages
- Published Medium articles on and gave presentations about topics such as neural networks and time series analysis
- Worked in small teams to design interactive Jupyter notebooks to teach over 40 students regression and web scraping

BEADS AND ROCKS — **VIRGINIA BEACH, VA**
**STORE MANAGER** — *JUNE 2017 – DECEMBER 2018*

- Assisted roughly 50 costumers per day in finding products from a large and diverse inventory to meet their specifications
- Opened and closed storefront 5 days a week, handled transactions, kept financial records, and managed store inventory

## PROJECTS

ADVANCED POKEMON AI — *SPRING 2020*

- Coded various competing decision agents, such as random and reflex, to select the best moves for Pokémon battles
- Trained deep learning agent with **PyTorch** to pick optimal Pokémon teams using results from battles to calculate loss

MACHINE LEARNING FOR ROAD SAFETY — *FALL 2019*

- Used supervised and unsupervised machine learning with VDOT data to find causes of car accidents throughout Virginia
- Wrote 6-page paper in IEEE format detailing methodology, results, and possible government action to increase road safety

MAJOR LEAGUE BASEBALL REGRESSION — *FALL 2019*

- Found most relevant stats for predicting winning pitchers in MLB games using 3 step variable screening process in **SAS**
- Wrote 15-page paper with figures generated in SAS, tests for regression assumptions, and conclusions based on findings

## TECHNICAL SKILLS

**Programming:** Python, C++, C, R, SQL, SAS