Student · University of Pennsylvania

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Education

University of Pennsylvania

Philadelphia, PA

School of Engineering and Applied Sciences

Aug. 2017 - May 2021

- · Major. Computer Science
- Relevant Coursework: Applied Machine Learning, Automata and Complexity, Computer Operating Systems, Data Structures and Algorithms, Linear Algebra and Differential Equations, Mathematical Foundations of Computer Science

The Wharton School

- · Concentration: Business Analytics
- Relevant Coursework: Corporate Finance, Financial Accounting, Financial Derivatives, Managerial Economics, Mathematical Modeling in Finance, Real Estate Investments
- **GPA**: 3.76/4.0
- Honors: Dean's List 2019-2020, Dean's List 2018-2019, 1st Place Wharton Undergrad Pitch Competition

North Carolina School of Science and Mathematics

Durham, NC

High School

Aug. 2015 - May 2017

- Relevant Coursework: Computational Physics, Game Theory and Combinatorics, Graph Theory, Group Theory, Mathematical Modeling, Research in Computational Science
- Co-authored R Programming Manual: Case Studies Using the R Programming Language
- **GPA**: 4.0/4.0

Experience _

Citadel | Citadel Securities

Software Engineering Intern

Jun. 2020 - Aug. 2020

SAS Institute Cary, NC

Software Engineering Intern

May 2019 - Aug. 2019

- Designed, developed, and implemented a confusion matrix visualization allowing customers to better understand the performance of their classification models on the Visual Analytics (VA) platform
- · Implemented multinomial support for the logistic regression model in VA so users can predict multiclass response variables
- · Resolved defects on the Visual Analytics platform relating to the decision tree, forecasting, and linear regression models

University of Pennsylvania

Philadelphia, PA

CIS 121 Teaching Assistant

Aug. 2018 - Present

- TA for CIS 121: Data Structures and Algorithms which covers topics such as trees, graphs, heaps, sorting, searching, etc.
- Teach recitation to students once a week to review material from lecture
- Hold office hours multiple times a week to help students with concepts and problem sets

Genesys Inc.

Durham, NC

Software Engineering Intern

May 2018 - Aug. 2018

- Designed, developed, and implemented a new workflow for user creation in the PureCloud API to eliminate rate-limiting
- · Added ability to translate messages to any language in PureCloud Collaborative chat allowing for global agent interactions
- Implemented automated tests into PureCloud's cloud-based, scalable architecture, including services such as Directory, User, Authorization, Upload/Download, and Voicemail
- Worked with PureCloud's Public REST APIs with CI/CD, using dev tools such as AWS (S3 & SQS), Jenkins, Bitbucket, NewRelic
 and Sumologic

NBA Hackathon: Business Analytics Track

New York, NY

• Invited to compete alongside a select group of students from universities across the United States

- Developed an algorithm to predict the entertainment value of a given NBA game using data from previous NBA games
- Trained model using ticket sale data, TV viewership data, and in-game statistics
- Utilized Python's scipy, pandas, numpy, and matplotlib libraries for data manipulation, data visualization, and model training

Skills

Participant

Languages: C • CSS • HTML • Java • JavaScript • OCaml • Python • R • SAS • SQL • TypeScript • Verilog

Libraries & Frameworks: Boostrap • ¡Querv