Connor Cole

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Education

Georgia Institute of Technology, Atlanta, GA *August 2018 - May 2022 (Expected)*

- Candidate for Bachelor of Science in Computer Science, threads of Info/Networks & Modeling/ Simulation
- GPA 3.45/4.0 (Major GPA: 3.83/ 4.0)

Experience

Data Analytics/ BI Internship at Nolan Transportation Group *January 2020 – Present*

- Developed systems/ RPAs to automate bidding process on bid board loads
  - Project's success led to increased use of RPAs as a strategy, with system's profits currently placing in top 20 percent of the company in monthly margin
  - Wrote code for autonomous login, scraping and bidding processes using Python
  - Developed SQL database system along with Python code to automatically calculate prices, as well as manage varying bidding strategies for loads
  - Tasks beyond coding include communicating with brokers to identify key metrics on individual customers and TMS systems, adjusting strategies based on metrics, and managing information pulled from webpages
- Completed multiple day-to-day data pulls as needed, creating both Excel and Tableau workbooks for brokers
- Worked two full time semesters, one while taking 13 credit hours, now work part time while taking classes

Projects

JavaFX Game *August 2020 – December 2020*

- Lead code organization/ architecture for team to develop JavaFX farming game using UP principles
- Organized team meetings, identified and planned goals, necessary use cases for iterations of project
- Selected as one of top projects in class, ranked 5th out of ~100 in semester long competition

COVID X-Ray Classification Model *September 2020 – December 2020*

- Lead team project to develop unsupervised, supervised models to classify x-rays as COVID, Non-COVID pneumonia, healthy
- Achieved highest accuracy rate of 82% in supervised CNN model

COVID-19 Appointment Bot *May 2020- September 2020*

- Automated system, developed Python program and interface with Google Sheets API, and ran program using Raspberry Pi as server to aid at-risk individuals in getting rapid COVID testing
- Secured >40 rapid tests for at risk individuals, many occurred in June/ July when testing was scarce

Intersection Optimization *October 2019 – December 2019*

- Developed system model for optimal timing of lights for busy Atlanta Intersection
- Worked in small team to collect data and measure sojourn times, passage times, light timing, etc.

Leadership

Leadership Development (Committee 2019, Head 2020) for Student Government *August 2019 – May 2020*

- Planned and organized events to aid in discussion of leadership roles/ involvement in campus organizations
- Fully planned (was cancelled due to COVID) seminar at Georgia Tech with multiple local student government organizations to discuss goals and strategies in identified areas of interests from local clubs
- Presented on topics to Student Government such as inclusive leadership and diversity in campus clubs

Skills

Programming: High experience: Python, SQL – Developing: Java – Basic: HTML, CSS, Excel, C, Kotlin
Currently studying: Mobile app dev. using Kotlin, computer modeling/ simulation, database systems
Previously studied: Java, Python, Statistics, Industrial Engineering topics, Markov Chains, linear algebra, discrete math, machine learning, software development processes, low level programming, data structures and algorithms, database systems
Instrumentation: Python, Microsoft SQL Server, MySQL, Pandas, NumPy, Selenium, Java, JavaFX, UML, Tableau, Excel, Microsoft Office, basic Photoshop

Affiliations/ Hobbies

- Member of Pi Kappa Alpha fraternity, club tennis team, Habitat for Humanity, For the Kids (Greek Relations committee member) and enjoys tennis, sports, wakesurfing and fitness