

# Corey An

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Website: <https://coreyan1234.github.io/> | <https://github.com/coreyan1234>

## EDUCATION

Northeastern University, Boston, MA

September 2019 – Present

Khoury College of Computer Sciences

Expected Graduation: **May 2024**

*Candidate for Bachelor of Science in Computer Science*

GPA: 3.7/4.0

**Relevant Coursework:** Fundamentals of Software Engineering, Algorithms & Data, Object-Oriented Design, Database Design, Computer Systems, Foundations of Data Science, Foundations of Cybersecurity, Discrete Structures, Calculus 1-3

**Activities & Honors:** Alpha Kappa Sigma Fraternity, Study Abroad (N.U.in Greece), Dean's List

## TECHNICAL KNOWLEDGE

**Languages:** Java | Python | HTML | CSS | JavaScript | TypeScript | React | MySQL | PostgreSQL | Apex | C | R

**Applications:** AWS (EC2, CloudFormation, SSM, Lambda) | Jenkins | Salesforce | Jira | Git/GitHub | Snowflake | Tray.io

## WORK EXPERIENCE

**Wood Mackenzie**

Boston, MA

*Site Reliability Engineer*

July 2023 – December 2023

- Enhanced existing Python automation to redirect ticket generation to a new ServiceNow instance as part of an automated AWS EC2 cattle patching process
- Leveraged AWS lambda functions and Boto3 (AWS SDK for Python) to automatically update SSM parameter store values with new EC2 AMIs as part of company reorganization
- Utilized Jenkins pipelines and AWS CloudFormation templates to deploy cross-account IAM roles and code changes across 20+ AWS accounts
- Optimized Python codebase by abstracting duplicate code and resolved existing problems in Jenkins CI/CD pipelines
- Worked in an Agile environment and contributed to daily standups, backlog refinements, and sprint reviews/retros
- Integrated into a rotational support team for 2 weeks to handle daily urgent requests from internal stakeholders
- Coordinated and led office holiday event with 20+ participants

**Drift**

Boston, MA

*Business Systems Engineer*

July 2022 – December 2022

- Automated user permissions assignment in Salesforce with Apex, optimizing the assignment process by 75%
- Constructed SQL queries in Snowflake to extract records and utilize Tray.io workflows to automatically populate object fields within Salesforce
- Created Salesforce async job classes using Apex to query and filter Task records in order to close out overdue tasks
- Updated old dependencies and removed unnecessary components to free up critical storage in Salesforce

## PROJECTS

**Covey.Town Badges**

February 2023 – April 2023

- Expanded an open-source game/social platform to support a real-time achievement feature for users to earn badges
- Utilized TypeScript and React to implement 5+ achievements and display badges on each user's profile
- Created a user login and persistent database via PostgreSQL to allow users to log into their profile between sessions

**Personal Website**

January 2022 – Present

- Developed and designed a personal website using HTML, CSS, and JavaScript in IntelliJ and is hosted on GitHub
- Website is interactive, dynamic, and includes further details about projects and experience

**NBA Most Improved Player (MIP) Award Prediction**

November 2021 – December 2021

- Predicted the NBA's next MIP using Python and machine learning models via Scikit-Learn
- Extracted and cleaned datasets of various players with the Pandas library to be used for model training/testing

**FreeCell Solitaire Game**

May 2021 – June 2021

- Designed a Solitaire game with Java using a Model-View-Controller design pattern and Object-Oriented principles
- Iteratively added new features to the game by expanding upon the already-existing codebase
- Thoroughly tested all game functions with JUnit to achieve correct program behavior

## INTERESTS

Gym | Reviewing Pizza | Basketball | Spotify Playlists | Video Games