

Corey An

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EDUCATION

Northeastern University, Boston, MA

May 2024

Bachelor of Science in Computer Science

GPA: 3.73/4.0

Relevant Coursework: Web Development, Software Engineering, Algorithms & Data Structures, Object-Oriented Design, Database Design, Computer Systems, Cybersecurity, Discrete Structures

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

TECHNICAL KNOWLEDGE

Languages: Java | Typescript | Javascript | Python | HTML | CSS | SQL | Kotlin | C | Assembly | R

Technologies: Git | MongoDB | AWS (Lambda, CF, SSM, EC2) | Salesforce | Jenkins | Snowflake | MySQL | PostgreSQL

Frameworks: React | Express | Bootstrap

WORK EXPERIENCE

Wood Mackenzie

Boston, MA

Software Engineer

July 2023 – December 2023

- Enhanced 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 issues 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 event with 20+ participants

Drift

Boston, MA

Software Engineer

July 2022 – December 2022

- Automated user permissions assignment in Salesforce with Apex, optimizing the manual 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

LitCircle Web App

March 2024 – April 2024

- Designed and developed a full-stack book club web app using TypeScript and React.js for frontend, complemented by Node.js and Express.js for the backend
- Utilized MongoDB to efficiently store and manage user data, books, and club information
- Created a REST API with Express.js to facilitate communication between the frontend and MongoDB database
- Implemented user authentication using Firebase to ensure secure access control

Personal Website

January 2022 – Present

- Built 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