Andrew J. Chin

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Education

Northeastern University, Boston, MA   September 2020 – Present
Khoury College of Computer Sciences   Expected May 2024
Candidate for Bachelor of Science in Computer Science

Honors: **GPA: 3.7/4.0** | Dean's List

Relevant Courses: Object Oriented Design, Algorithms, Mobile App Development, Database Design, Networks and Distributed Systems, Foundations of Cybersecurity, Mathematics of Data Models

Experience

Wood Mackenzie Supply Chain, *DevOps Engineer,* Boston, MA   July 2022 – December 2022
- Conducted weekly releases using Gitlab Pipelines, Ansible Tower, and AWS CloudFormation, which apply developer updates to the production SCIP, WM Supply Chain's flagship application, as well as several internal applications.
- Utilized AGILE development principles to automate the OS patching of EC2s and ECS clusters using AWS StepFunctions and System Manager Documents, resulting in 20% time savings for DevOps engineers.
- Collaborated with DevOps engineers and software developers to spin up Docker containers and CloudFormation stacks for a new internal release tool that will migrate the DevOps release process into a one-click release tool hosted by GitLab Pipelines.
- Created Docker Images and Amazon Machine Images for Postgres 14 as part of the Oracle to Postgres migration project, which will save roughly $6 million over the next six years. Utilized AWS EC2 Image Builder pipelines, AWS StepFunctions and AWS Lambda Functions written in JavaScript and Python3 along with PostgreSQL scripts to automate the creation of updated Postgres database images.
- Administered behavioral and technical interviews for software developer and DevOps candidates. Participated in post-interview committee meetings to as part of the decision-making process.

CyberSummer, *Coding Tutor,* Brookline, MA   July 2015 – July 2018
- Taught campers the Scratch programming language and assisted them in creating their own Scratch games and projects.
- Led workshops to train campers for building simple websites using a website design program.

Computer Knowledge

Languages: Python | Java | SQL | C | JavaScript | CSS | HTML

Tools: Git | Unix | Amazon AWS (Lambda Functions, StepFunctions, CloudFormation, Identity Access Management, S3, EC2, EC2 Image Builder, Systems Manager) | React | Docker | PostgreSQL | DBeaver | GitLab Pipelines

Projects

Personal Website | *JavaScript, React*   November 2022 - Present
- Creates a personal website built with React and hosted and deployed using Netlify.
- Utilizes styled-components with CSS styling to style website components and implements react-router-dom functionality to handle webpage navigation.
- Plans to migrate the website to be hosted in AWS and add additional functionality including a restaurant review displaying feature.

Tabbify | *JavaScript, Spotify API, Chrome Extensions, HTML, CSS*   October 2022
- Developed a Chrome extension written in JavaScript that suggests a song to a user every time the extension is opened.
- Leveraged API calls to the Spotify API to access user's account and fetch their listening data.
- Utilized HTML and CSS to create an interactive UI that allows the user to log in and view recommended song metadata.

SmartCalendar | *Java, Android Studio, Firebase*   June 2022
- Collaborated with a partner and utilized the principles of object-oriented design and Android app development to create a calendar app that intelligently places non time-sensitive events in a user's schedule.
- Crafted an interactive frontend using Android Activities, Android Widget components and Android Fragments. Employed a FirebaseFirestore NoSQL database to store calendar data. Utilized threadpools and organized fragment rendering to reduce processor load and app lag.

Interests

Tennis, Guitar, Photography, Snowboarding, Basketball | **Foreign Languages**: Korean (Intermediate), German (Elementary)