

## EDUCATION

## The University of Texas at Austin

Bachelors of Science in Neuroscience | Elements of Computing Certificate | GPA: 3.82 / 4.0

May 2024

**Relevant Coursework:** Software Design (Data Structures & Algorithms) | Data Analytics (Machine Learning) | Data Visualization | Quant Tools | Intro to Programming | Ethics of AI | Computer Architecture | Operating Systems

## TECHNICAL SKILLS

**Key Skills:** Full Stack Development | Testing | REST APIs | Cloud Compute | Object-Oriented Programming | System Design**Languages & Technologies:** AWS (Solutions Architect Associate Certified) | Python | Java | JavaScript | TypeScript | Scala | Node | Swift | Go | HTML | CSS | Bash | SQL | NoSQL | Docker | Firebase**Frameworks & Libraries:** React | Flask | Express | Knex | PostgreSQL | Jest | ScalaTest | Mockito | Mongoose | SwiftUI

## PROFESSIONAL WORK EXPERIENCE

## Capital One | Technology Development Program | Software Engineer

Washington, DC | Feb 2025 – Present

- Contributed to the launch of Melio widgets developed with Angular on the Capital One official website for small business bank (SBB) accounts to increase outbound digital money movement engagement rate to 56%
- Spearheaded the development of live dependency tests for widgets including creating feature toggles on Optimizely
- Quarterbacked the migration of SBB's Accounts Payables Insights API from Gen2 to Gen3 to lower the blast radius of the application and reduce technical debt, by segmenting Capital One's workload environment into smaller AWS units
- Configured the small business banking fraud check API to OpenTelemetry standards that enables distributed tracing in order to enhance the full stack observability journey, reducing the mean time to repair and detect

## Capital One | Capital One Developer Academy | Software Engineer in Training

Washington, DC | Aug 2024 – Feb 2025

- Achieved a 6-month intensive software engineering training focused on full stack development, AWS, DevOps, and Cyber Security, where I completed 60+ full stack apps with colleagues and mentors
- Redesigned an internal fargate managed app previously running on Python into Scala that supports consumption and storage of data topics from Capital Ones main data pipeline to increase message processing performance
- Engineered an efficient reproducible universally unique identifier along with unit tests in Scala to facilitate true threading
- Utilized Jira and an Agile software development framework to achieve collaboration and continual feedback with mentors

## University of Texas Computer Science | Elements of Programming Teaching Assistant

Austin, TX | Jan 2023 – May 2024

- Moderated with instructor and 11 TAs to facilitate recitations, grade programs, and address 550+ students over Introduction to Programming topics taught in Python while fostering a collaborative learning environment over Piazza

## PERSONAL PROJECTS

## Octomize | React, Typescript, Firebase

- Launched a full-stack web app with a team of 4 developers that optimizes the study schedule creation process by utilizing the Ebbinghaus forgetting curve focusing on reducing college students hours spent on creating agendas

## Conscious Closet Extension | Python, Flask, JS, HTML, CSS

- Deployed a Google Chrome clothing extension utilizing a Google Reverse Imaging API to compile sustainable fashion choices by suggesting ethically sourced and eco-friendly alternatives from non-fast fashion brands

## The Vault Music Discovery App | React, Python, SQL, Flask

- Assembled a full-stack music discovery platform with Expo and the Spotify API that exposes users to underground artists

## Credit Match | GoLang

- Prototyped a Credit Card calculator that matches users to popular card combinations, such as the Chase, Citi, Capital One, and Amex Card trifectas and duos, based on yearly spendings to maximize rewards and cash back benefits