Brayden Ngo

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EDUCATION

University of Maryland - College Park, MD | GPA: 3.89/4.00   August 2020 – May 2024

B.S. in Computer Science, Minor in General Business & Advanced Cybersecurity

- Courses: Object-Oriented Programming, Introduction to Computer Systems, Discrete Structures, Organization of Programming Languages, Algorithms, Advanced Data Structures, Database Design, Computer & Network Security

SKILLS

- **Languages/Technologies**: Java, Python, TypeScript, Spring Boot, Angular, AWS, SQL, Ruby, C, HTML, CSS
- **Tools**: Eclipse, Vim, IntelliJ, Visual Studio Code, Postman, Microsoft SQL Server, PostgreSQL, Jupyter Notebook, Git, Gradle, Docker, MongoDB, Android Studio, DevExpress, GitLab

EXPERIENCE

Software Engineer Intern   May 2023 - August 2023

BTI360 | Herndon, VA

- Collaborated in an Agile Scrum environment to develop a job & resume matcher web application using AWS Textract & OpenAI's ChatGPT API to help streamline BTI360's applicant pipeline
- Worked on REST API communication between frontend & backend using Angular and Spring Boot frameworks
- Utilized Firebase to setup Google Authentication flow in the frontend and backend
- Implemented Test-driven development (TDD) using testing frameworks such as Mockito and Jest
- Set up MongoDB database for local development and leveraged AWS DocumentDB and ECS for cloud deployment
- Cross-functional development with ETL team to process resume and candidate data using Serverless Framework and technologies such as AWS S3, CloudWatch, SQS, Secrets Manager, Lambda, and API Gateway

Software Developer Intern   June 2022 – August 2022

Ruppert Landscape | Laytonsville, MD

- Developed a QR inventor scanner tool for Ruppert's mobile app in Java using Android Studio
- Documented API calls in the Ruppert mobile app using Postman allowing Ruppert developers easier access in tracking and checking API performance
- Used SQL and Microsoft SQL Server to manage data across databases used at Ruppert for tracking branch information, maintenance requests, job numbers, and built reports using DevExpress in Visual Studio
- Made enhancements to existing Ruppert software such as LMES (Landscape Maintenance Estimation System) and CTS (Contract Tracking System)
- Developed email filtering script to help Ruppert manage invalid emails sent to customers

PROJECTS

Youtube Video Summarizer - Python

Developed a streamlined application using Python with the Streamlit framework to create an interactive web interface for end users. Integrated Google's Youtube API to programmatically fetch video details from user URLs. Leveraged OpenAI's ChatGPT API for processing of Youtube videos and providing video summary.

NFL Game Predictor - Python

Analyzed NFL game statistics from dataset using Python in Jupyter Notebook. Examined impact of rushing vs. passing yards on wins, home field advantage, turnovers, third down conversion percentage. Used results of game factors to predict NFL games using decision tree and random forest model from the scikit-learn library. Repository can be found at https://github.com/BraydenNgo/NFLGamePredictor

Personal Portfolio Website - HTML, CSS, JavaScript

Developed a personal portfolio website to host resume, provide listing of educational coursework, and has direct messaging page in the contact section. Deployed and hosted using GitHub Pages at https://braydenngo.github.io/

EXTRACURRICULARS

Computer Science Tutor | University of Maryland

- Instructed students on object-oriented programming principles and best-practices
- Collaborated in designing and developing instructional slides and exercises with other tutors for interactive discussion sessions

CERTIFICATIONS

AWS Certified Cloud Practitioner | Issued July 2023 · Expires July 2026

- Foundational, high-level understanding of AWS Cloud, services, and terminology