

Brayden Ngo

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EDUCATION

University of Maryland - College Park, MD

August 2020 – May 2024

Bachelor of Science in Computer Science

- GPA: 3.89/4.00
- 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 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
- Created unit tests throughout development process using **Mockito** and **Jest** testing frameworks
- Set up **MongoDB** database for local development and leveraged **AWS** technologies such as **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** 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. Also, webpage includes linking to social media accounts and stylistic features such as color changing background. Deployed and hosted using GitHub Pages at <https://braydenngo.github.io/>

CERTIFICATIONS

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

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