Austin Abraham

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EDUCATION

Texas A&M University, BS in Computer Science, Minor in Business – *College Station, TX*   **May 2025**

- **Cumulative GPA**: 3.8/4.0
- **Relevant Coursework:** Data Structures and Algorithms, Database Systems, Software Engineering, Machine Learning, Design and Analysis of Algorithms, Programming Strategies, Principles of Data Science, Cloud Computing

EXPERIENCE

Amazon Web Services – *Dallas, TX*   **May 2024 - August 2024**
Cloud Support Engineer Intern

- Developed scripts, automating routine support tasks, reducing ticket resolution time by 30%, increasing efficiency
- Created custom CloudFormation templates, streamlining resource deployment, saving 4 hours per implementation
- Completed multiple troubleshooting cases, while also obtaining AWS cloud certifications, immersing in the cloud

Texas A&M Undergraduate Research – *College Station, TX*   **December 2023 - June 2024**
Undergraduate Research Assistant

- Explored object detection algorithms for real-time identification of obstacles to assist visually impaired individuals
- Investigated sonification techniques to convert visual data into audio cues for improved spatial awareness
- Developed assistive tech using Raspberry Pi and computer vision, driving new solutions for the visually impaired

Federal Reserve Bank of Atlanta – *Atlanta, GA*   **May 2023 - December 2023**
Software Engineer Intern

- Initiated multiple proof-of-concept projects directed toward transitioning bank data and tasks to cloud services
- Utilized Power platforms and Azure to automate role changes, requests, and approvals within FedCash software
- Designed application, scripting through 200+ armor carrier companies, filtering unwanted driver information

PROJECTS

NBA Player Longevity Predictor Model (PyTorch, Optuna, Scikit-Learn) – ML Developer   **Spring 2024**

- Trained 4 models, predicting career longevity of 2,000+ players, achieving 80% accuracy, classifying 5+ years
- Conducted in-depth analysis of 20 key rookie season statistics to pinpoint predictors of long-term NBA success
- Optimized hyperparameters using Optuna, improving accuracy, precision, and recall metric performance by 15%

Phish-Net (Node.js, Express) – Full-Stack Developer   **Fall 2023**

- Chrome extension detecting phishing attacks in user inboxes, while compiling phishing-attack statistics and data
- Utilized the Gmail API and a large-language model, to auto-detect 95% of phishing attacks, without interaction
- Developed an intuitive user interface, enhancing user experience, while providing clear insights on detected attacks

Tiger Sugar POS (React.js, Flask, PostgreSQL) – Full-Stack Developer & Project Manager   **Fall 2023**

- Full Stack application tailoring to 40+ users incorporating accessibility translation and text enlargement features
- Integrated Google OAuth enhancing security and user convenience, allowing a smooth and secure login experience
- Implemented 6 comprehensive reporting functionalities, facilitating informed and optimized business operation

LEADERSHIP & EXTRACURRICULARS

TAMUHack – Logistics Director   **March 2023 - Present**

- Orchestrated two of Texas's largest student-run hackathons, attracting 800+ participants from 40+ universities
- Managed all aspects of logistics and sponsorship, accounting for over $100,000 in growth, while orchestrating event

Freshmen Engineering Science Technology (FEST) – Development Director   **August 2021 - May 2024**

- Coordinated 10+ personal enrichment events for 87 organization members while promoting student mental health
- Mentored 50+ incoming members pursuing STEM-oriented majors through outlining effective first year pathways

TECHNICAL SKILLS

Python, C++, C, Java, JavaScript, Node.js, Flask, React.js, SQL, Pytorch, AWS, Power Platforms, Azure, Google Cloud