

Hayden Johnson

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EDUCATION

The University of Texas at Arlington

GPA: 3.68

Bachelor of Science in Computer Science

Aug. 2021 – May 2025

- ACM (Association for Computing Machinery) Officer
- Relevant Coursework: Data Structures and Algorithms (C), Fundamentals of Probability, Linear Algebra (Python), Intro Software Engineering (Java), Operating Systems, Assembly and Computer Architecture, Theoretical Computer Science, Databases

EXPERIENCE

Software Engineer Intern

January 2024 – February 2024

HENNGE Inc.

Tokyo, Japan

- Developed a Twitter clone with **Flask**, integrating **AWS DynamoDB** for data management and **AWS S3** for scalable image storage.
- Implemented secure authentication using **Google OAuth** and **OpenID Connect**, and deployed on **AWS EC2** with **Gunicorn** and **Caddy**.
- Enhanced deployment efficiency through a CI/CD pipeline with **Terraform**, **Docker**, and **GitHub Actions**, and managed container deployment on **AWS ECR** and **ECS**.

Customer Data Analytics Intern

June 2023 – August 2023

Oncor Electric Delivery

Dallas, TX

- Engineered and deployed an NLP pipeline as a Python package for company-wide utilization, encompassing tokenization, lemmatization, and sentiment analysis, applied to Qualtrics customer surveys. This advancement facilitated an enhanced understanding of customer feedback, leading to a **30% improvement in targeted response strategies**.
- Leveraged Blastpoint customer data to develop propensity and binary logistic regression models, effectively **guiding 13 million customers to enroll in energy efficiency programs tailored to their demographics**, optimizing cost savings.

AMS Data Analytics Intern

June 2022 – August 2022

Oncor Electric Delivery

Dallas, TX

- Developed a Python script utilizing exchange-lib for Outlook integration, which dynamically alerts managers of uncompleted process steps, resulting in a **2-4 hour earlier notification and expediting process resumption by an hour**.
- Automated an on-demand read checkout process with Selenium in Python, **streamlining workflows to save 6-8 hours weekly**, enabling the team to prioritize critical tasks; additionally, captured success screenshots and exported runtimes to CSV via Pandas.

PROJECTS

ByteBucks | *React, Express.js, Hedera Hashgraph, MongoDB Atlas*

September 2023 – October 2023

- Co-developed ByteBucks, a universal cryptocurrency for hackathons, leveraging the robust Hedera Hashgraph for blockchain functionality, ensuring fast and secure transactions. **HackUTA 2023 Winner**
- Designed and implemented a full-stack digital wallet web application with React (frontend) and Express.js (backend), facilitating seamless ByteBucks transactions and user management.
- Integrated MongoDB Atlas to store user credentials, prioritizing data encryption and best security practices, guaranteeing user data safety and protection.

TECHNICAL SKILLS

Languages: Java, Python, C++, C, JavaScript, Typescript, HTML5, CSS, NoSQL, SQL, PHP

Frameworks: React, Node.js, Flask, Express.js, Next.js, Spring-Boot, Django

Technologies and Tools: Terraform, Docker, GitHub Actions, DynamoDB, S3, pandas, NumPy, Matplotlib, selenium, spaCy, exchange-lib, Jinja, OpenCV, Git, Firebase, Unix/Linux, Windows, VS Code, Qualtrics, Anaconda, Jupyter, DBeaver, AWS, OAuth, Agile, Waterfall, Android Studio, MySQL, MongoDB