Hayden Johnson

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EDUCATION

The University of Texas at Arlington <div align="right">GPA: 3.68</div>
Bachelor of Science in Computer Science <div align="right">*Aug. 2021 – December 2025*</div>
- 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 <div align="right">June 2024 – Present</div>
Amdocs <div align="right">*Plano, TX*</div>
- Assisted in the design and development of a new data warehouse for AT&T Internet Air, improving data accessibility for over 100 internal users.
- Developed and optimized ETL processes using tools such as SQL, Python, and Snowflake, resulting in a 30% reduction in data processing time.
- Implemented data cleaning and transformation scripts to ensure data quality and consistency, reducing errors by 25%.

Web Developer <div align="right">April 2024 – Present</div>
Oncor Electric Delivery <div align="right">*Dallas, TX*</div>
- Developed and maintained 5+ internal web apps to streamline operations using HTML, CSS, JavaScript, and TypeScript.
- Created responsive and intuitive user interfaces with React and Redux, improving the user experience for over 1,000 employees and increasing traffic by 15%.
- Implemented RESTful APIs with Express, facilitating seamless data exchange between frontend and backend systems and reducing data processing time by 20%.

Software Engineer Intern <div align="right">January 2024 – February 2024</div>
HENNGE Inc. <div align="right">*Tokyo, Japan*</div>
- Developed a Twitter clone with **Flask**, integrating a single table database design via **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**.
- Presented to engineering teams on creating cryptocurrency using Hedera, sharing my experience and best practices.

Customer Data Analytics Intern <div align="right">June 2023 – August 2023</div>
Oncor Electric Delivery <div align="right">*Dallas, TX*</div>
- 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.
- Led and organized weekly meetings for 20 interns, facilitating collaboration and project progress throughout the internship.

AMS Data Analytics Intern <div align="right">June 2022 – August 2022</div>
Oncor Electric Delivery <div align="right">*Dallas, TX*</div>
- Developed a Python script utilizing exchangelib 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* <div align="right">September 2023 – October 2023</div>
- 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, Redux.js
Technologies and Tools: Terraform, Docker, GitHub Actions, DynamoDB, S3, pandas, NumPy, Matplotlib, selenium, spaCy, exchangelib, Jinja, OpenCV, Git, Firebase, Unix/Linux, Windows, VS Code, Qualtrics, Anaconda, Jupyter, DBeaver, AWS, OAuth, Agile, Waterfall, Android Studio, MySQL, MongoDB, Snowflake