ERIC WATERS

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Education

Arizona State University   **Tempe, Arizona**
Computer Science (Big Data Systems), M.S.   **4.0 GPA | Graduated May 2023**
- Coursework in Database Management, Data Mining, Data Processing, Machine Learning, and Data Visualization

Computer Science, B.S.   **4.0 GPA | Graduated May 2022**
- Graduated Summa Cum Laude with Honors from Barrett, the Honors College

Skills

- **Languages**: Python, JavaScript/TypeScript, Java, C, C++, C#, PHP, HTML, CSS, SQL
- **Technologies**: Spring, Angular, Node, Laravel, MS SQL Server, MySQL, Oracle Database, Google Cloud Firestore, Git, Bootstrap, jQuery, OAuth, TensorFlow, Keras, Scikit-learn, Linux, PowerShell
- **Concepts**: OOP, REST APIs, QA & Testing, Full Stack Web Development, MVC, Database Design, Agile, Scrum

Experience

Intel Corporation   **Chandler, Arizona**
Software Application Development Engineer   **August 2023 – Present**
- Developed a web platform for internal Generative AI tools using Sanic, Angular, and micro frontend architecture
- Transformed internal problem-solving by owning and deploying a third-party AI-powered search engine

Dell Technologies   **Round Rock, Texas**
Graduate Software Engineering Intern   **June 2022 – August 2022**
- Increased average login speed by 400% by implementing Sign in with Dell (SSO Authentication)
- Prevented immense penalties/fees by protecting data integrity with required authorization (rights/privileges) to alter sensitive resources in several REST APIs
- Leveraged Spring Boot, Spring Security, OAuth 2.0, Angular, Oracle DB, and VMware Tanzu Application Service

Undergraduate Software Engineering Intern   **May 2021 – August 2021**
- Enhanced the efficiency of DevOps and Agile teams by creating a proprietary Kanban Board application
  - Built from scratch using Spring MVC, Spring Data JPA, MySQL, jQuery, Bootstrap, HTML, and CSS
- Streamlined the Employee Resource Group onboarding process – awarded 1st place in the Dell Intern Hackathon

Projects

Distributed PageRank Graph Processing Pipeline   **May 2023**
- Identified key pickup and drop-off locations from a taxi dataset by creating a PageRank data processing pipeline
- Processed the taxi data in real-time by creating a Kubernetes cluster of Kafka, Zookeeper, and Neo4j pods

Automated Detection of Phishing Attacks using Machine Learning   **March 2023 – May 2023**
- Evaluated 9 machine learning techniques against a dataset of legitimate and phishing URLs
- Assessed the performances of PCA, KPCA, and autoencoder dimensionality reduction techniques
- Achieved 98% accuracy by training an ensemble classifier of optimized ML techniques and deep neural networks

American Airlines In-Flight Transcriber - https://devpost.com/software/in-flight-closed-captioning   **October 2021**
- Recorded, stored, and displayed airline crew announcements in real-time using Node, Firebase, and AssemblyAI
- Awarded 1st Place by American Airlines, Best Use of AssemblyAI, Second Place Overall by Sunhacks, and featured at https://www.assemblyai.com/blog/top-3-hackathon-projects-built-with-assemblyais-speech-to-text-api

Party on Wall Street   **August 2021 – May 2022**
- Founded and built a couch-party style online video game that teaches entrepreneurship using Unity and C#
- Created virtual controllers for the game that run on any mobile device browser using JavaScript, HTML, and CSS