**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 InternJune 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 InternMay 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