**ERIC WATERS**

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Education

**Arizona State University Tempe, Arizona**

**Computer Science (Big Data Systems), M.S.4.0 GPA | Graduating May 2023**

* Coursework in Database Management, Data Mining, Machine Learning, Artificial Intelligence, Cloud Computing

**Computer Science, B.S.4.0 GPA | Graduated May 2022**

* Graduated Summa Cum Laude with Honors from Barrett, the Honors College at ASU

Skills

* **Languages**: Java, C++, C#, C, Python, PHP, JavaScript, TypeScript, HTML, CSS, SQL
* **Technologies**: Spring Framework, Angular, Node, Laravel, MySQL, Oracle Database, Firebase, Git, Bootstrap, jQuery, VMware Tanzu, OAuth, Unity, TensorFlow, Keras, Scikit-learn, Linux, PowerShell
* **Concepts**: OOP, REST APIs, QA & Testing, Full Stack Web Development, MVC, Database Design, Agile, Scrum
* **Soft Skills**: Technical and Non-Technical Communication, Persistence, Accountability, Adaptability

Experience

**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 millions of dollars in potential 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

**Convolutional Neural Network (Image Classifier) May 2022**

* Designed neural networks using Python and TensorFlow to classify handwritten digits (trained with MNIST dataset) with 99% accuracy and images from 10 categories (trained with CIFAR-10 dataset) with 81% accuracy

**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** - https://party-on-wall-street.herokuapp.com **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 and AirConsole

**Watts ERP** - https://youtu.be/gXEd-HVifVI **August 2021 – May 2022**

* Developed a contractor management web app for Netpoint LLC using PHP, Laravel, Bootstrap, and JavaScript
* Transformed the website into a production-ready state by enhancing the look and feel of the UI, creating mobile safety forms, implementing an inventory pricing layer, and adding clocking in/out functionality

**Neurologic Music Therapy Services of Arizona Schedule App** - https://tinyurl.com/mr47k4pa **October 2019**

* Streamlined NMTSA’s client information management process by creating a scheduling app using Spring MVC and Bootstrap so that therapists could spend less time sifting through Excel and more time helping patients
* Finalist at PayPal’s Opportunity Hack and solution accepted by NMTSA’s Founder and Executive Director