

# 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
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## 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, Pivotal Cloud Foundry, 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
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## Experience

### 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 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 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 1<sup>st</sup> place in the Dell Intern Hackathon
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## 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 1<sup>st</sup> 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