

EMPLOYMENT

SDE Intern **Amazon Web Services (AWS)** **May 2021 – Present**

- Create a new, internal service of a front-end application using React and JavaScript
- Improve the operational excellence of the organization by removing and replacing the existing service
- Reduce the team's burden in maintenance significantly by saving three hours a week

Baseball R&D Intern **Milwaukee Brewers** **June 2020 – Oct. 2020**

- Build and train a sentiment analysis model of player scouting reports using supervised machine learning
- Predict future contributions of each player with the sentiment result of their report
- Improve accuracy of the player scouting model in selecting amateur players

Teaching Assistant **Purdue University Computer Science Department** **May 2020 – Present**

- Courses: Introduction to Data Science (CS 242), Introduction to Data Structures (CS 251)
- Develop homework, labs, and projects in Python for the CS 242 course
- Create videos that supplement lectures and hold office hours to answer questions for the CS 251 course

Software Engineering Intern **United Parcel Service (UPS)** **June 2019 – Aug. 2019**

- Chosen as the top intern project and presented to CIO Juan Perez
- Launched a cross-platform mobile application that eliminates delays of expected delivery date of packages
- Integrated the mobile application into production and is currently used by employees

EDUCATION

West Lafayette, IN **Purdue University** **Aug. 2018 – Present**

- Bachelor of Science in Computer Science; GPA: 3.86
 - Data Science Major; Entrepreneurship Certificate
- Relevant Undergraduate Coursework: Data Science (Fall 2019); Data Structures (Spring 2020); Probability (Spring 2020); Linear Algebra (Spring 2020); Algorithms (Fall 2020); Machine Learning (Fall 2020); Statistical Theory (Fall 2020); Artificial Intelligence (Spring 2021); Information Systems (Spring 2021); Game Theory (Fall 2021); Large Scale Data Analysis (Fall 2021); Introduction to Relational Database Systems (Fall 2021)

TECHNICAL EXPERIENCE

Projects

- **Deep Dives with Data** (Present). Developed a Medium publication where I tell stories with data and write data science tutorials
- **BeatQ** (Oct. 2019). Built a web application that lets multiple people add songs to a music queue at a party using Flask at the DemonHacks hackathon in DePaul University
- **Eliminate the Shipping Label** (July 2019). Implemented an economically beneficial shipping model that associates a unique QR code with each package at the 2019 UPS Hackathon

AWARDS

- **First Place, Eliminate the Shipping Label:** Won 1st place at UPS Hackathon for the Shipping Label project
- **Second Place, BeatQ:** Won 2nd place for the BeatQ project at DemonHacks Hackathon

Languages and Technologies

- Python; R; Java; SQL; JavaScript; HTML; CSS
- Jupyter Notebook; RStudio; Microsoft SQL Server; IntelliJ; Visual Studio Code