

James Tyler LoVerde

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EDUCATION

University of Wisconsin-Madison

Bachelor of Science in Computer Science and Data Science

CGPA: 3.72/4.00

Madison, WI

Sept. 2021 - May 2025

Relevant Coursework: Algorithm and Data Structures, Python I, Java II and III, Statistical Modeling I and II, Discrete Mathematics, Linear Algebra, Machine Organization (C), Neural Networks, Artificial Intelligence, Big Data, Databases

EXPERIENCE

Grainger Technology Group

Software Engineer Intern

Chicago, IL

June 2024 - Present

- Developed and deployed applications using **Terraform** on **AWS**, enhancing scalability and deployment efficiency.
- Collaborated with internal teams to implement an internal tool using **Python**, streamlining database as a service solutions.
- Automated **cloud infrastructure** management on **AWS** and **Azure**, optimizing database provisioning processes and significantly improving operational efficiency and reducing deployment times.

Fenster Analytics

Software Engineering Intern

Madison, WI

March 2023 - May 2023

- Enhanced knowledge of and utilized **Docker**, **Fly**, and **CI/CD** technologies to optimize development processes on their **Python** codebase and reduce hosting services cost by **50%** on the company's beta product
- Contributed to the enhancement of the company's analytics dashboard frontend by designing and implementing new features using **React.js**, allowing the product to be presented aesthetically to potential investors
- Integrated a robust **CI/CD** pipeline, ensuring smooth deployment of the company's beta product and facilitating collaborative version control through **Git**

CNH Industrial Capital

Data Analytics Intern

Racine, WI

May 2023 - August 2023

- Aggregated, cleaned, and manipulated large datasets with millions of essential data entries using **SQL** scripts within **SAS** in order to gain insights of financial data that led to strategic adjustments to an increase of **10%** in profits in certain sectors
- Implemented **28** different tailored-made **SQL** scripts to automate sales teams monthly reporting system that was standardized across all North American teams, increasing efficiency by **100%** by eliminating reporting hours
- Performed final presentation on intern projects where leadership tested the intern's technical and oral skills in a highly competitive and tense environment

PROJECTS

Full Stack Calcutta Auction Site

August 2023 - Present

- Created a website to perform March Madness Calcutta auctions with other users using **Node.js**, **React.js**, and **MongoDB**
- Designed a **REST API** to bridge frontend and backend functionalities for the Calcutta auction, facilitating interactive user experiences while enabling efficient **HTTP** communication with the backend infrastructure
- Utilized **Git** version control to seamlessly collaborate with a partner and streamline development workflows

JPMorgan Chase Hackathon Winner

October 2023

- Developed a **machine learning model** that was driven by precision and performance that led our team to win the event
- Accumulated, manipulated, and merged vast data sources to find statistical evidence to support our solution
- Fostered a collaborative environment that leveraged the diverse skill sets of the team, driving innovative solutions

SKILLS

Languages: Java, Python, R, SQL, JavaScript, HTML/CSS, YAML

Frameworks and Platforms: React.js, Node.js, REST APIs, Git, MongoDB, Linux, Docker, Fly, AWS, Terraform, Azure