

Luke Terry

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Education

University of Oklahoma, Norman, Oklahoma
Computer Science

Enrolled: August 2021 — Expected: May 2025
Overall GPA: 4.0

Experience

Co-Founder

turnstyl

Norman, Oklahoma
January 2023 - Present

- Utilized Vue.js, Express.js, Amazon Web Services, and MySQL to create a progressive web application
- Worked with Startup OU to develop a business plan and market our application to potential customers
- More information about the startup available at info.turnstyl.app

Operation Technologies Co-Op

Bombardier Recreational Products

Sturtevant, Wisconsin
May 2023 - Present

- Created an administrative web app on the Ignition platform to manage employee training
- Configured communication between SQL databases, Programmable Logic Controllers, and Ignition
- Normalized a monolithic database into a relational database using Transact-SQL

Business Intelligence Co-Op

Bombardier Recreational Products

Sturtevant, Wisconsin
January 2022 - May 2023

- Created a non-conformance tracking system which saves the company over \$900,000 annually
- Built web app with VueJS, ExpressJS, and MSSQL to act as a Master Production Schedule
- Automated various data flow tasks using C#, Python, JavaScript, and MSSQL

Undergraduate Research Assistant

Data Institute for Societal Challenges

Norman, Oklahoma
January 2022 - May 2022

- Updated PanViz, an interactive visual analytics application to monitor pandemic data
- Implemented Random Search and Grid Search in JavaScript to optimize multivariate functions
- Collaborated with other developers to produce a ReactJS Web Application

Skills

- **Languages:** JavaScript (& TypeScript), Python, R, C#, SQL (MSSQL, MySQL, & PostgreSQL), Java, Git CLI, C, C++, HTML5/CSS, Google Apps Scripts
- **Frameworks / Libraries / Tools:** NodeJS, VueJS, Jest, ExpressJS, Amazon Web Services, Shiny, Rvest, RSelenium, Selenium, GGPlot2, Matplotlib, Numpy, Pandas, Requests, Flask, Sequelize, ReactJS, Nginx, p5.js, RestSharp, Ignition, Docker
- **Design Expertise:** Web Development, Data Analysis, JSON API Calls, REST API Design, Webhooks, Data Visualization and Communication, Database Design

Relevant Courses

- **Mathematics:** Calculus 4, Applied Multivariate Statistics, Linear Algebra, Discrete Mathematics, Theory of Computation
- **Programming:** Data Structures, Algorithms, Software Engineering, Programming Languages, Operating Systems

Awards and Honors

National Merit Scholar

National Merit Scholarship Corporation

2021