

# Luke Terry

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## Education

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**University of Oklahoma**, Norman, Oklahoma  
Computer Science

Enrolled: August 2021 — Expected: May 2025  
Overall GPA: 3.93

## Experience

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### Rockwell Automation

*Intern - Software and Control*

Milwaukee, Wisconsin

May 2024 - Present

- Worked within an Agile development team to build the next generation of Rockwell software
- Collaborated with cloud architects to test the feasibility of integrating serverless architecture
- Utilized Kubernetes, Typescript, Kotlin, Microsoft Azure, and other tools

### Turnstyl

*Co-Founder*

Norman, Oklahoma

January 2023 - January 2024

- Launched a cloud-native web app using Vue.js, Express.js, Amazon Web Services, and MySQL
- Managed a development team to build and alter our application in response to user feedback
- Pitched our idea to potential investors and community members as part of Startup OU's Incubator

### Bombardier Recreational Products

*Developer - Product Management Center of Excellence*

Sturtevant, Wisconsin / Remote

December 2023 - May 2024

- Created an application to manage BOM Discrepancy across ERP Systems and Engineering Teams
- Utilized on-prem SQL and ETL tools to create software that seamlessly transitioned to the cloud

*Co-Op - Operation Technologies*

May 2023 - December 2023

- Created an administrative web app on the Ignition platform to manage employee training
- Configured communication between SQL databases, Programmable Logic Controllers, and Ignition

*Co-Op - Business Intelligence*

January 2022 - May 2023

- Created a non-conformance tracking system which saves the company over \$900,000 annually
- Automated various data flow tasks using C#, Python, JavaScript, and MSSQL

### Data Institute for Societal Challenges

*Undergraduate Research Assistant*

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 and Relevant Courses

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- **Languages:** JavaScript (& TypeScript), Kotlin, Python, R, C#, SQL (MSSQL, MySQL, & PostgreSQL) Java, C++, Google Apps Scripts
- **Relevant Courses:** Machine Learning Fundamentals, Data Structures, Algorithms, Applied Multivariate Statistics, Software Engineering, Operating Systems
- **Other Tools:** Kubernetes, Docker, Microsoft Azure Cloud, Amazon Web Services, NodeJS, VueJS, ExpressJS, Selenium, GGPlot2, Matplotlib, Numpy, Pandas, Requests, Flask, Sequelize, ReactJS, Nginx, p5.js, Ignition, PTC Windchill API
- **Design Expertise:** Web Development, Cloud Native Development, Data Analysis and Visualization, REST & ODATA API Design, Database Design

## Awards and Honors

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**First Place Presentation - EE/CS OU Honors College Undergraduate Research Day**

2024

**National Merit Scholar National Merit Scholarship Corporation**

2021