# Terrence (T.J.) Brooks, Jr.

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## Education

**Oakland University**  Rochester, MI
*Graduate Certificate, Foundations of Computer Science*  *Expected 05/2025*
Relevant Coursework: Object Oriented Analysis & Design, Advanced Data Structures & Algorithms (Winter 2025), Operating Systems (Winter 2025)
*Bachelor of Interdisciplinary Studies*  *Expected 12/2024*
- *Minors in Computer Science and Management Information Systems*
Relevant Coursework: Systems Analysis & Design, Business Database Systems, Principles of Leadership

## Experience

**Comerica Bank**  Auburn Hills, MI
*Technology/Cybersecurity Intern - Product Analyst*  *05/2024 - Present*
- Supporting the high-priority migration of Comerica's debit card processing system to FIS, focusing on **User Acceptance Testing (UAT)**, settlement reporting accuracy, and compliance with ISO 8583 standards

**Oakland University**  Rochester, MI
*UTS Student Developer*  *09/2023 - 12/2023*
- Collaborated with a team of 4 developers to enhance the MySAIL portal, a crucial academic open source platform utilized by **15,000+** students
- Leveraged **React.js** and **Spring Boot** to continuously implement features and improvements

**Comerica Bank**  Auburn Hills, MI
*Technology/Cybersecurity Intern - Software Engineer*  *06/2022 - 08/2022*
- Collaborated with the Digital Finance (DigiFi) team of 8 using **Agile methodology** to develop and enhance software solutions supporting the General Ledger system in Workday Financials
- Utilized **Python** and **pandas** through Jupyter Notebooks for data processing, automation, and updates of Airflow DAGs (Directed Acyclic Graphs), optimizing workflow efficiency
- Resolved an issue that caused duplicate file drops by implementing file existence checks and refining task dependencies

**UFG Insurance**  Remote
*Software Developer Intern*  *05/2021 - 08/2021*
- Migrated the Down Indicator application from C#.NET to **React.js**, integrating MuleSoft APIs to enhance functionality
- Implemented toast notifications within the application to provide real-time feedback and alerts
- Collaborated with a team of 11 interns to research the future of work, presenting findings to **200+** employees, including executive leadership
- Focused on data-driven decision-making and its impact on the future of the insurance industry

## Projects

**Database Creation and Modeling for a Small Business**
- Created business rules to follow when creating an entity relationship diagram (ERD) in **Microsoft Visio** for a small beauty salon company
- Implemented the ERD in **Microsoft SQL Server** by generating **SQL** statements to create, update, and delete tables and generate business insights using **SQL** commands

## Skills

- **Software Development**: Python, C, Java, Spring Boot, SQL, VBA, HTML/CSS, JavaScript, React.js
- **Data Analysis**: Python, pandas, SQL, MS SQL Server, MS Power BI, MS Excel, MS Access, MS Visio
- **Version Control**: Git, Bitbucket, Gitlab
- **Project Management**: JIRA, Agile, Scrum, RAID Logs, User Acceptance Testing (UAT)

## Extracurriculars

- **NCAA Division 1 Track & Field, Cross Country**: Demonstrated commitment to excellence, leadership, time management, work ethic, and resilience in a highly competitive program