

Terrence (T.J.) Brooks, Jr.

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Education

Oakland University

Graduate Certificate, Foundations of Computer Science

Coursework: Object Oriented Analysis & Design, Advanced Data Structures & Algorithms, Operating Systems

Bachelor of Interdisciplinary Studies

- Minors in Computer Science and Management Information Systems

Coursework: Systems Analysis & Design, Business Database Systems, Networks, Principles of Leadership

Rochester, MI

Expected 05/2025

Expected 12/2024

Experience

Comerica Bank

Technology/Cybersecurity Intern - Product Analyst

- Contributed to the debit portfolio migration from PTS to FIS, converting ~700K records and eliminating PAN storage, saving \$500K/year in operational costs and \$12.5M over 5 years in processing fees
- Tracked and triaged 15+ defects in JIRA during UAT, ensuring quick fixes and minimal timeline impact
- Executed and managed 100+ UAT test cases in qTest for comprehensive system testing
- Collaborated with 2 stakeholders and 3 cross-functional teams to gather requirements, address concerns, and validate testing processes met their needs

Auburn Hills, MI

05/2024 - Present

Oakland University

UTS Student Developer

- Collaborated with a team of 4 to enhance MySAIL, an academic portal utilized by 15,000+ students
- Leveraged React.js, Java, and Spring Boot to continuously implement features and improvements

Rochester, MI

09/2023 - 12/2023

Comerica Bank

Technology/Cybersecurity Intern - Software Engineer

- Collaborated with a team of 8 to develop and enhance software solutions supporting the General Ledger system in Workday Financials, saving \$492K/year in technology costs and supporting the company goal of a digital future for customers and colleagues
- Utilized Python and pandas through Jupyter Notebooks for data processing, automation, and updates of Airflow Directed Acyclic Graphs (DAGs), managing 18 inbound and 15 outbound integrations

Auburn Hills, MI

06/2022 - 08/2022

UFG Insurance

Software Developer Intern

- Converted Down Indicator application functionality from C#.NET to React.js, integrating MuleSoft APIs
- Collaborated with a team of 11 interns to research the future of work, presenting findings to 200+ employees, including executive leadership

Remote

05/2021 - 08/2021

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

Men's Mile Run World Record Data Pipeline

- Developed a Python-based data pipeline to extract Men's Mile Run World Record data from a SQL database, transform it into CSV format, and load it into AWS S3

Skills

- **Software Development:** Java, Spring Boot, HTML/CSS, JavaScript, React.js, Amazon Web Services (AWS)
- **Data Analysis:** Python, pandas, SQL, ETL
- **Packaged Software:** Microsoft Office (Excel, Access, Visio, SharePoint, PowerPoint)
- **Version Control:** Git, Bitbucket, GitHub, GitLab
- **Project Management:** JIRA, Agile, Waterfall, Scrum, Software Development Lifecycle (SDLC)

Extracurriculars

- **NCAA Division 1 Track & Field, Cross Country:** Demonstrated commitment to excellence, leadership, time management, work ethic, and resilience in a highly competitive program
- **Student Athletic Advisory Committee (SAAC):** Advocated for student-athlete interests, organized events, promoted community engagement, and enhanced communication between athletes and administration