

TERRY LU

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Education

University of Florida (GPA: 4.0)

Aug 2022 – May 2026

Bachelor of Science in Computer Science, Minor in Business Administration

Gainesville, FL

Relevant Coursework: Intro to Software Engineering, Information and Database Systems, Operating Systems, Data Structures and Algorithms, Intro to Machine Learning, Introduction to Computer Organization

Technical Skills

Languages: HTML5, CSS, JavaScript, Python, C++, SQL, SOQL, PowerFx

Developer Tools: Postman, Git, Jira, Dataiku, Power Automate, Salesforce

Libraries/Frameworks/Databases: ReactJS, NodeJS, ExpressJS, MongoDB

Work Experience

Florida Community Innovation Foundation

Oct 2024 – Present

Software Engineer Fellow

Hybrid

- Currently participating in a comprehensive course focused on full-stack development, including HTML/CSS, ReactJS, and NodeJS, to develop skills for contributing future projects in the foundation

Clubfinity - UF Software Engineering Club

Oct 2024 – Present

Software Engineer/Tech Officer

Hybrid

- Currently undergoing onboarding for a team-oriented environment that uses Agile-scrum methodology, to prepare for contributing future projects with MongoDB, ExpressJS, ReactJS, and NodeJS

Crowley Maritime Corporation

May 2024 – Aug 2024

Automation Developer Intern

On-Site

- Created Power Automate automation to extract data from thousands of PDF reports and generate CSV files, leveraging AI models and PowerFX code to increase processing efficiency by 200 percent
- Implemented a Python data pipeline in Dataiku to automate the extraction, transformation, and loading of CSV files into a Snowflake database, working with Dataiku DSS APIs to support the transition to a new automation platform
- Designed entity relationship diagrams for tables/objects, utilizing SQL and SOQL Queries in Salesforce to determine table relationships, reducing the time required for creating dashboards/datasets among PowerBi and Dataiku users by 33 percent

Projects

FreshWatch

MongoDB | ExpressJS | ReactJS | NodeJS

- Built a full-stack grocery-tracking application to provide an efficient way for users to track their groceries and expiration dates
- Implemented user authentication with JSON Web Tokens to allow users to securely sign up, login, and access individual grocery data
- Leveraged the ical-generator library and API to generate Apple Calendars with reminders of grocery expiration dates
- Developed a form for grocery name and expiration date submission using the MERN stack, enhancing user experience and simplifying data management
- Created database models and controllers to store user and grocery item data using Mongoose and MongoDB

ShiftFlow Master

MongoDB | ExpressJS | ReactJS | NodeJS

- Collaborated with a team to create a full-stack time-tracking application for employees and managers to log time and projects
- Implemented CRUD operations for efficient data storage/management relating to time and edited time entries
- Created a time log form with the Fetch API for employees and managers to attribute their time to, with approval of time logs being restricted to direct supervisor
- Created an edit time entry form to allow employees to edit a submitted time entry and submit the edited time to a direct supervisor for approval, resulting in improved accuracy in timekeeping