Frank Charles Lugola (He/Him/His)|700 College Dr. Decorah IA 52101|Email:lugofr01@luther.edu |Github |Linkedin

EDUCATION

Luther College, Decorah, IA   **September 2019 - May 2023**
Bachelor's Degree, Computer Science
Minor in History

United World College, Thailand   **August 2017-May 2019**
International Baccalaureate Diploma

TECHNICAL SKILLS

- **Front End:** Javascript(ES6), React, React-Native, Vue, MUI, Chakra UI, HTML, CSS, Bootstrap, React-Bootstrap, Lodash
- **Back End:** Flask**,** Django, Node.js, SQLite3, Firebase, REST API, JSON
- **General Programming Languages**: Python, Java, Javascript, Scheme, SQL
- **Testing/Deployment, Developer Tools**: Firebase, Python Anywhere, Heroku, Git, npm, Webpack, Babel, Visual Studio, Socket Programming, Information Security
- **Relevant Coursework:** Data Structures and Algorithms, Data Modeling and Querying, Object-Oriented Programming with Java, Advanced Data Structures and Algorithms, Computational Models, Internet Programming, Programming Languages, Information Security and Assurance, Computer Networks

SOFTWARE ENGINEERING APPLICATIONS AND EXPERIENCE

Senior Project| NorseMates College Roommate Finder Application   Fall 2022 - Spring 2023
Group Based Project, College Roommate Finder Application   React-Native|Node.JS|PostgreSQL
- Designed and developed a one on one chat to facilitate communication between potential roommates
- Collaborated with the backend team using POST requests to establish a secure login and registration system
- Developed a header and footer user interface to enhance navigation throughout the application
- Engineered a chat-update on the one on one chat using POST endpoint to establish real-time chat functionality

Front-End Project|Mezani Movie Sorting Application   Summer 2022
Movie Sorting system web application   JavaScript | React |Bootstrap|Lodash
- Developed front-end skeleton using Bootstrap, to create reusable React components to improve the user interface
- Utilized the use of lodash to facilitate proper organization of movies in the local database
- Optimized the use of Bootstrap forms to develop a simple login form for a personalized user experience
- Implemented pagination to improve organization of the available movies

Full-Stack Project |Gym Check-in Application   Spring 2021
FullStack application to track gym related activities   JavaScript|HTML|CSS|Bootstrap|Python|Flask|JSON|SQLite3
- Designed a database system that utilized the use of SQLite3 to store user data that could be accessed by the administrator
- Engineered the use of Requests to facilitate communication with external API
- Visualized the user interface using Bootstrap and CSS
- Engineered the backend system using Flask framework that utilized GET and POST method to facilitate user interactivity
- Utilized Heroku for web application deployment

HONORS AND LEADERSHIP

Phi Alpha Theta   Luther College Black Student Union Executive Board Member
Treasurer for Luther College Computer Science Society   Mathematics Tutor for the Center of Academic Achievement
UWC Davis Scholarship   ColorStack Member
Academy of the Talented by the University of HongKong   JP Morgan & Chase Software Engineering Virtual Experience