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JOHNNY LEEK

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EDUCATION

Mount Pleasant, MI	Central Michigan University	August 2019 – May 2023

- **Major**: Computer Science, B.S (3.85 GPA)
- **Minors:** Multimedia Design & Information Technology
- **Relevant Coursework**: Data Structures & Algorithms, Object-Oriented Programming, Computer Organization and Communication, Computer Design & Architecture, Databases and Applications, Alternative Programming Languages
- **Awards**: Academic Excellence Scholarship, Leonard and Betty Summers Endowed Scholarship, Dean's List, President's List

EMPLOYMENT

Software Engineer Intern	Esri	May 2021 – August 2021

- Served as a research and development software engineer on the ArcGIS Dashboard team -- one of Esri's most used products
- Designed and prototyped a proof-of-concept feature allowing customers to visualize temporal (time-aware) data on dashboards by interacting with an intuitive sliding time window
- Implemented a new 3D WebGL map widget into product, allowing users to visualize data in the third dimension, allowing users to interact with data in new ways

Technical Lead	Central Michigan University	April 2020 – Present

- Promoted to Technical Lead from previous position in April 2020; Supervised team of 8 web developers
- Mentored and conducted code review on entire team, to ensure best practices and code quality
- Implemented the Agile workflow into department to increase flexibility, productivity, and accountability regarding development efforts
- Increased efficiency of development by creating a custom form API to handle form state and submission
- Designed and developed a feature allowing the automatic tracking and logging of website deployments, including the git hash of the deploy, who deployed it, and where they deployed it to

Full Stack Web Developer	Central Michigan University	November 2019 – April 2020

- Implemented a "Cache Busting" system that ensures users receive the most recent files on their system, preventing UI bugs that had previously been a major issue
- Optimized cumbersome item logging system by designing and implementing a system which allowed users to categorize items by colour coded "tags"
- Worked 1:1 with the Assistant Director of Residence Life during the COVID-19 crisis to set up an automated emailing system to send out notifications regarding the status of on-campus events

PROJECT EXPERIENCE

safejourney | github.com/JohnnyLeek1/safejourney
- Android app which utilizes GIS and pathfinding to help users find the safest walking route based on factors such as crime, traffic accidents, and population density
- Utilizes Esri's ArcGIS Android runtime SDK
- Placed 3rd in Esri's "Weekend of Innovation" hackathon for interns
- **Uses: Kotlin, ArcGIS**

Should My State Open | shouldmystateopen.com | gitlab.com/johnnyleek/should-my-state-open
- React.JS website which aggregates data about COVID-19 in the United States, and determines if each state is ready to reopen (based on White House guidelines)
- Utilizes a Python script to collect and aggregate the data, and then uploads it to a webserver
- **Uses: JavaScript, ReactJS, HTML, CSS, Python**

JavaFX Banking System | gitlab.com/johnnyleek/banking-system-240
- Fully featured banking system using JavaFX which keeps track of users, accounts, and transactions.
- Has features such as data persistence, AES-256 password encryption, and advanced user lookup
- **Uses: Java, JavaFX, CSS**

SKILLS AND TECHNOLOGIES

- Python, Java, C, C++, C#, JavaScript, TypeScript, HTML, CSS, Git, Kotlin, Nginx, PostgreSQL, Django, React.JS, jQuery