

Jonathan Bakhit

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EDUCATION

Johns Hopkins University

Bachelor of Science in Computer Science and Applied Mathematics & Statistics

Minor in Robotics, Minor in Psychology

Baltimore, MD

May 2024

RELEVANT EXPERIENCE

Fullstack Software Engineer & Team Leader - DELINEO

January 2021 - Present

- Director of a small team of 6 undergraduate students involved in training, supervising, and supporting in assigned tasks focused on Frontend development
- Trained and supervised 6 undergraduate st
- Supporting Delineo in merging the project into **Microsoft's Covid UI Dashboard** and **CDC models**
- Verified the usage of CDC's models for future development of Delineo's **Disease Models**
- Devised user-friendly **React** frontend that features a custom blog, simulation controls, and detailed data points for ease of use for policy makers and educators
- Restructured and revamped a code base and created projects with a variety of languages and technologies

Technologies: JavaScript, C#, Python, Docker, Java, Unity, and CSS

Java Tutor - PILOT Leader

August 2022 - Present

- **Instructor** for small-group study groups for Gateway Computing: Java Students at Hopkins
- Maintained constructive learning ecosystem by promoting student involvement and awareness, improving students understanding of the course material and average course grades

Technologies: Zoom, Java

Frontend Developer - ST. MARY AND ARCHANGEL MICHAEL ORTHODOX CHURCH

May 2022 - January 2023

- Designed a dynamic website for a user base of 1000+ with a **real-time** database that is automatically maintained
- **Refactored** existing codebase for existing website and **rehauded** for modern functionality and look
- Programmed **custom functionality** such as: Authentication system, storage system, write/read capabilities, security protection, and many more custom algorithms

Technologies: React, JavaScript, Firebase, SQL, and CSS

PROJECTS

Dolt

August 2022 - January 2023

- Developed a full-stack web application using an **React** frontend that an Express backend
- Created a full-featured social media web-app with added task functionality for interactive usage by users
- Implemented several authentication services and real-time database access to allow 24/7 uptime
- Used cron for scheduling database refreshes and error handling for consistency between frontend and backend

Technologies: Python, Javascript, React, CSS, mongoDB

DISCORD QUIZ BOWL BOT

February 2020 - April 2020

- **Led** team of 2 to implement an automated testing program for students in **13+** Science Bowl clubs in Cypress, Texas
- Developed system to automatically create questions based on uploaded CSV
- Maintained and updated a custom software developed for the purposes of testing on Discord with multiple possible future paths for scalability
- Digitized the intricate Quiz Bowl Experience for productive learning for students

Technologies: Python

SKILLS

Languages: Java, JavaScript, Ruby, Python, C#, C++, C, Lua, PHP, CSS, SQL, R, HTML

Code: pandas, NumPy, TensorFlow, Matplotlib, MUI, Bootstrap

Technologies: Git, Azure DevOps, Photoshop, Premiere Pro, Docker, AutoCad, Unity, Adobe Suite

Frameworks: React, Node.js, React Native