

# Dakara Cundiff

(219) 779-4011 • dakaraicundiff@gmail.com • <https://dakaraicundiff.com>  
[www.github.com/dakaraic](https://github.com/dakaraic)

## EDUCATION

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**Indiana University**, Bloomington, IN

**August 2017 - December 2021**

*Hudson and Holland Scholar; Big Bytes Little Bytes Mentor*

**Major:** Computer Science, B.S. (*Software Engineering Specialization*)

**Minor:** Game Design

## SKILLS

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**Languages:** C#, Java, Visual Basic, Racket

**Operating systems:** Microsoft Windows, Linux

**Databases:** MSSQL, ODBC, MySQL, MongoDB

**Web development:** JavaScript, HTML, CSS, PHP, jQuery, SASS, ReactJS, NextJS, NodeJS, Electron

**Environments:** Microsoft Visual Studio, Visual Studio Code, Eclipse

## EMPLOYMENT

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**Product Manager**, Artis ([www.artis.community](http://www.artis.community))

**July 2020 - Present**

- Founded an online platform for Black creatives to showcase and centralize their content from various social media platforms.
- Collaborated with a design team to accurately convert designs from Figma into a fully interactive application.
- Leveraged knowledge in full-stack web development, Git, and debugged the application using Firefox's developer tools paired with Visual Studio Code's integrated terminal.
- Recruited for ongoing consultation and maintenance of the business.

**Lead Developer**, Just Be Focused, LLC. ([www.justbefocused.com](http://www.justbefocused.com))

**May 2021 - June 2021**

- Created a website which highlighted the client's photography and videography services.
- Designed visually appealing layouts that would attract new site visitors and ultimately lead to new business.
- Integrated Stripe, so that the client could accept payments directly through their website.

**Web Developer**, Pink Ribbon Society ([www.pinkribbonsociety.org](http://www.pinkribbonsociety.org))

**April 2015 - June 2015**

- Revitalized a website, engaging new visitors for Pink Ribbon Society, a non-profit breast cancer awareness group.
- Featured in the local newspaper (*NWI Times*) for the work that was accomplished on the project.

## PROJECTS

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**Personal Website:** [www.dakaraicundiff.com](http://www.dakaraicundiff.com) (for additional information and projects)

**Game Server Emulator**

**July 2017 - Present**

- Developed an emulator for a MMORPG using C# that supported 500+ concurrent game clients.
- Implemented a custom networking packet protocol (150+ packet structures) through which the client and server communicated, based on the TCP protocol.
- Maintained and queried thousands of records in multiple MSSQL databases which contained 50+ different tables in total.
- Designed and implemented a custom scripting API that allowed developers to write scripts for the game in C# rather than the game's native language of Lua.
- Deployed the emulator to 3 dedicated Linux servers and debugged the app using highly effective logging practices such as log levels, file outputs, and structured logging.

**Cloud Monitoring Service**

**July 2020 - December 2020**

- Developed and deployed a cloud monitoring API in ReactJS and NodeJS, which allowed over 100 developers to stream data from their application to the platform and visualize it in real-time.
- Integrated the Socket.IO framework, which provided data streaming capabilities to subscribed web clients.
- Designed and distributed a C# SDK that allowed developers to easily integrate the platform into their applications and begin streaming their data.

**Fitness Social Platform**

**December 2020**

- Developed a web application using NextJS and NodeJS that allowed users to create and track their fitness goals, as well as create and upload viewable fitness content for other users.
- Implemented user profiles, which allowed users to customize how they appeared throughout the app.
- Integrated a secure login system with Auth0's two-factor authentication.

**Bus Tracking Application**

**August 2018**

- Utilized Indiana University's public DoubleMap API to create an application in Racket that tracked the location of all of the buses throughout IU's campus.
- Displayed the buses graphically by mapping coordinates provided from the API to coordinates within the app bounds.