

# BLAKE THORSON

## CONTACT

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Walford, Iowa



## EDUCATION

Computer Science, May 2022

**UNIVERSITY OF IOWA**

Iowa City, IA

## LANGUAGES

- C : 5 Years
- Python: 4 years
- Java : 3 years
- Java Script : 2 years
- COBOL : <1 year

## SKILLS

Design	Web Scraping
Front End	Firebase
Back End	Perfectionism

## VOLUNTEER WORK

- Crisis Line Operator
- Free tutoring for those that cannot afford it.

## EXPERIENCE

### TUTOR

*Freelance March 2020 - Present*

- Assisted students in learning programming concepts in Python.
- Assisted people in learning web development.

### WEB DEVELOPER

*Blocki Flute LLC October 2020 - Present*

- Create professional mockups using Adobe XD and Photoshop
- Design, build, and maintain multiple websites.
- Develop a database for certified teachers.
- Simplify both front and back end for ease of use.

### WEB DEVELOPER

*Freelance Mar 2020 – October 2020*

- Design, build, or maintain web sites, using authoring or scripting languages, content creation tools, management tools, and digital media.
- Write, design, or edit web page content
- Back up files from web sites to local directories for instant recovery in case of problems.
- Evaluate code to ensure that it is valid, is properly structured, meets industry standards and is compatible with browsers, devices, or operating systems.
- Develop databases that support web applications and web sites.

### FIELD SUPERVISOR

*United States Census Jan 2020 - Mar 2020*

- Conducted surveys in accordance with U.S. Census Bureau regulations.
- Supervised a team to monitor performance, work assignment, attendance, and leave.

### CENSUS ENUMERATOR

*United States Census Jul 2019 - Oct 2019*

- Contact individuals to be interviewed at home, place of business, or field location, by telephone, mail, or in person.
- Identify and report problems in obtaining valid data.
- Review data obtained from interview for completeness and accuracy.

### EDITOR IN CHIEF

*The Calumet May 2018 – Dec 2018*

- Managed a team of writers to ensure that quality stories are turned in before the deadline.

## INVOLVEMENT

- Uiowa Esports: Overwatch
- Robotics Team
- Tabletop Club
- Magic: The Gathering Club
- Hackathon 2021
- Startup Games 2019, 2020

## PROJECTS

### **MENTAL METRICS - MENTALMETRICS.XYZ: 2021**

This award-winning project was built for the Uiowa Hackathon in 36 hours. I worked with a team where I was responsible for design, HTML/CSS, Java Script, and making sure the final product was hosted properly and was mobile ready. It focused on helping people with depression and anxiety take life one day at a time, prepare for possible stressors in their day, and develop a healthy selfcare routine. In the end we were awarded the Good Neighbor award from State Farm. I also won an individual award in the category of social media.

### **STUDY INCENTIVE: 2021**

Using Python, the Study Incentive will begin to quarantine random files on your PC if you aren't meeting your study goals. It will provide warnings when you aren't on track, and attempt to motivate you through moving and encrypting random files until you meet your goal again. If something happens you can readily disable it and reclaim your files.

### **WIN95 PROJECT ARCHIVE – BLAKETHORSON.CODES / WIN95: 2021**

Inspired by nostalgia, and a need to store, organize, and display old projects, I created a Windows 95 themed project archive with working folders that update as I add in more projects. In the future I hope to fully automate the updates with Github uploads.

### **SKYRIM TO-DO LIST: 2020**

Using authenticator and the real time data base provided by Google's Firebase, I allow users to create an interactive and easy to navigate to-do list for their mods and projects in the video game The Elder Scrolls V: Skyrim. Built using jQuery, underscore.js, HTML, CSS.

### **ONLINE JEOPARDY: 2019**

A fully functioning version of the game show Jeopardy that pulls questions and answers from an API that, at the time, had every question ever asked in Jeopardy in a free to access database. Built using jQuery, underscore.js, HTML, CSS.

### **MOVIE DATABASE: 2019**

Built using the Open Movie API, Java Script, HTML / CSS, and Bootstrap, this worked to allow users to search for their favorite movies and get quick information about them and where they could currently find them.