

# BLAKE THORSON

## CONTACT

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Cedar Rapids, Iowa



## EDUCATION

*Computer Science, BA, May 2022*

**UNIVERSITY OF IOWA**

*Iowa City, IA*

## LANGUAGES

- Python: 5 years
- JavaScript: 3 years
- Ruby & Rails: 2 years

## SKILLS

UI / UX	Web Scraping
Full Stack	Docker
SQL	Adobe XD

## INVOLVEMENT

- Ulowa Esports Community Manager
- Ulowa Paranormal Club Organizer & Lecturer
- Tabletop Club
- Hackathon Winner 2021
- Startup Games 2019 - 2022

## EXPERIENCE

### RUBY ON RAILS DEVELOPER

*enlighten technologies inc. June 2021 - Present*

- Design, build, and deploy WordPress websites for clients.
- Use Rails and Docker to build and deploy websites.
- Develop databases that support websites.
- Manage Gitlab projects and moving projects to production
- Build and manage a web scraper in python to aggregate content

### MENTOR

*Freelance March 2020 - Present*

- Assist students in learning programming concepts in Python.
- Help CS1 Students master Python
- Assist students in learning front end web development concepts.

### WEB DEVELOPER

*Blocki Flute Method LLC October 2020 – June 2021*

- Create professional mockups using Adobe XD and Photoshop
- Work with management to create a successful ecommerce website from mockups.
- Develop a database for certified teachers using MySQL.
- Simplify both front and back end for ease of use.

### WEB DEVELOPER

*Freelance Mar 2020 – October 2020*

- Design, build, and maintain web sites, content creation tools, management tools, and digital media.
- Write, design, and 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.

## PROJECTS

### **NLITN VIDEO CONFERENCING: 2022**

Using Ruby on Rails and MySQL, I assisted in creating a video conferencing service for use by professionals in the legal field. Including document sharing/signing, a full chat system, the ability to schedule meetings, and ID Verification to ensure all contracts signed using the service are legally binding.

### **MEDICAL ONLINE – MEDICALONLINE.COM: 2021 - 2022**

Using Ruby on Rails and PostgreSQL, I created a website for enlighten technologies inc. that allows users to rate and review hospitals, get up to date information about the hospital and the news coming from them, and quickly and easily retrieve directions to the hospital. Most of the information was gathered via web scraping using python with beautiful soup and re.

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

This award-winning project was built for the U Iowa 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.

### **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.

### **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.

### **OMNIS - BLAKETHORSON.CODES/OMNIS.HTML: 2017 - 2020**

Using Python, I created a bot for the social media application Discord that implements natural language processing, APIs, text manipulation, async events, image identification & manipulation, color averaging, MySQL, and so much more in order to provide useful resources for users and ensure ease of use.