

# Isaac Dickinson

Email: [isaacrdickinson@gmail.com](mailto:isaacrdickinson@gmail.com)

Phone: +1 (469) 442 – 5046 | [linkedin.com/in/isaacrdickinson](https://www.linkedin.com/in/isaacrdickinson)

Portfolio: <https://irdickinson.github.io/>

## Profile:

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University of Alabama graduate in May of 2023. Formal studies have encompassed data structures, operating systems, coding algorithms, and general programming languages. Independent projects have incorporated data organization, artificial intelligence, and web development.

## Education:

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**University of Alabama, Alabama**

**2019-2023**

Graduated: May 2023 with a cumulative 3.999 GPA

*Bachelor of Science in Computer Science*

## Certifications:

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**Microsoft Certified: Azure AI Fundamentals**

**Summer 2023**

## Honors and Awards:

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Honors College – University Honors Program, *University of Alabama*

President's List – 4 Semesters, *University of Alabama*

Dean's List – 5 Semesters, *University of Alabama*

Presidential Scholarship, *University of Alabama*

## Experience / Projects:

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### Website Senior Project

**Spring 2023**

- Developed a React-based data-formatting website for a client.
- Utilized Django REST framework that structured full stack development.
- Performed in an agile environment with punctual developments and updates.
- Managed group workloads and scheduling with incorporation of client requests.
- Shared and collaborated code across a four-person team with version control.

### ChatGPT AI Project

**Summer 2023**

- Implemented OpenAI API for GPT3 responses to text-prompt requests.
- Structured responsive webpage layouts using CSS.
- Incorporated Vite to streamline front-end development.

### DALL-E Image-Generation Project

**Summer 2023**

- Utilized the OpenAI API for access to DALL-E image generation from text-input.
- Initialized the core development process through usage of the MERN stack.
- Formatted the webpage using the Tailwind CSS framework.

### Unreal Engine 5 Independent Project

**Summer 2023**

- Programmed elaborate behavior trees for reactive artificial intelligence.
- Incorporated extensive C++ Blueprint visual scripting for a responsive user experience.

### ML Predictive Model Project

**Summer 2023**

- Trained a regression model for predicting flexible numerical labels.
- Visualized relevant data with a calibrated graph made with Seaborn.

## Skills:

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**Tech** - GitHub, Word, Excel, PowerPoint, MongoDB, Express, Node.js, React.js, Unreal Engine 5

**Programming Languages** - Python, C++, JavaScript, HTML/CSS, Java, C, C#, Haskell

**Citizenship** U.S. Citizen

**Selective Service** Registered