

# Aaron Algutifan

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## EDUCATION

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### University of Missouri

Columbia, MO

*Bachelor of Engineering in IT - Emphasis in Software Engineering*

*Aug. 2019 – Dec. 2023*

- Relevant Coursework: Software Engineering, Algorithm Design and Programming, Programming Languages and Paradigms, UNIX, Database Management, Logic Systems

## EXPERIENCE

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### Full Stack Developer

Aug. 2020 – Present

*Freelance*

- Led 2 successful projects with over **120** unique buyers on the Ethereum blockchain
- Developed four smart contracts for cryptocurrencies on the Ethereum blockchain in Solidity
- Crowdfunded over **180,000 USD** for Decentralized Finance projects
- Hosted and developed two websites that utilized JavaScript, React, and HTML/CSS
- Created and managed Telegram and Twitter communities for Decentralized Finance projects

### Software Engineering Tutor

Aug. 2022 – Present

*University of Missouri - Columbia*

- Work closely with students in programming classes to tutor in Software Engineering and programming languages such as Python and C#
- Analyze and debug code written by students to provide feedback
- Facilitate learning by helping students solve problems on their own and promote productivity

## PROJECTS

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### Blockchain Community Token | *Solidity, JavaScript*

Aug. 2020

- Developed and built an ERC20 game token where players were rewarded based on community participation and viewership in livestreams on Twitch
- Crowdfunded 40 ETH (**76k USD** as of 6/01/2021) for the project
- Created and hosted a website with a React frontend and created a Telegram group and Twitter page
- [Link to the Project](#)

### Blockchain Dice Game Token | *Solidity, JavaScript*

Aug. 2020

- Developed and built an ERC20 token where players could be rewarded based on a randomly-generated dice roll
- Crowdfunded 60 ETH (**114k USD** as of 6/01/2021) for the project
- Created and hosted a website with a React frontend and created a Telegram group and Twitter page
- [Link to the Project](#)

### Database Query App | *Python, SQL, Docker*

Aug. 2021

- Built a Python app contained in Docker and wrote SQL queries to query an SQL database
- Developed a command line menu for the user to choose which SQL queries they want to view
- [Link to the Project](#)

### Full Stack NFT Marketplace | *Solidity, JavaScript, Next.js, Node.js, React, Web3Modal*

Mar. 2022

- Created a full-stack Web3 NFT marketplace powered by the Solidity backend and JavaScript frontend of the site
- Provided functionality for users to buy, create, and view their NFTs stored in the Polygon blockchain
- [Link to the Project](#)

### Custom API | *Python, FastAPI, JavaScript, React*

Jul. 2022

- Created a custom API with Python and FastAPI that returns a JSON object accessed through two endpoints
- Integrated the Emoji API with my portfolio site's frontend in order to generate a random emoji from the API
- [Link to the Project](#)

## TECHNICAL SKILLS

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**Languages:** Python, Solidity, C#, C++, JavaScript, SQL, MongoDB, HTML/CSS

**Frameworks:** Flask, Django, React, Node.js, Typescript, Next.js, jQuery

**Developer Tools:** Git, GitHub, MySQL, MongoDB, AWS, Docker, VS Code, Jira

**Other Technologies:** UNIX, Linux, Bash, Blockchain, Smart Contracts, APIs