

Will McDonnell



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github.com/wpMcDonnell

WEB3

[Polygon ERC-721 NFT -
Perpetuity Main Collection](#)

[Polyscan Verified Contract -
Perpetuity Main Collection](#)

[Polygon ERC-721 NFT -
Perpetuity Intro Collection](#)

[Polyscan Contract - Perpetuity
Intro Collection](#)

[ERC-20 Token - Launched on
Ropsten](#)

EDUCATION

FULL-STACK COURSE

GENERAL ASSEMBLY

(2021)

WASHINGTON, DC

UNIVERSITY OF SOUTH CAROLINA

(2009 – 2012)

BA ANTHROPOLOGY

INTERESTS

Web3

NFTs

DeFi

Crypto

Brazilian Jiu Jitsu

Anthropology

Twitch

Tennis

Music Production

Education Initiatives

SKILLS

Solidity, Truffle, JavaScript, ERC-1155, ERC-721, ERC-20, EIPs, React, web3, Ethereum, EVM Chains, DeFi, NFTs, Polygon, OpenSea, MetaMask, Testnets, Infura, Alchemy, SQL, Bootstrap, Sass, Node.js, Express.js, Mongoose, Git/GitHub, Visual Code Studio, C#, Dependency Injection, RESTful APIs, MongoDB, PostgreSQL, Heroku, AWS, Linux, Python

EXPERIENCE

DEFI / BLOCKCHAIN SOFTWARE ENGINEER - (2021 - 2022) at COINLEDGER - Remote

- Created ERC-721 Smart Contract for company NFT collection to be used in marketing campaign
- Developed blockchain importer, aka committed 1000's of lines of code to CoinLedger code base and accounting software program which ingests web3 data from multiple chains, categorizes transactions by protocol and type (Swap, Add Liquidity, Deposit, etc) and extracts protocol specific fees and gas costs to be used for portfolio tracking
- Researched and implemented Ethereum and EVM standards, EIPs, smart-contracts, platforms, and unique protocols to be consumed by blockchain importer
- Participated in daily stand-ups and updating tech-leads on research, bugs, code progress, and architectural designs / proposals
- Utilized Git and GitHub for version control with team of 5 + engineers all located around the globe
- Consulted on web3 and smart contract capabilities to CEO for planned web3 integration
<https://coinledger.io/>

INDEPENDENT WEB3 / SOLIDITY PROJECTS - (2021 - 2022) - Remote

- Created ERC-721 smart contract with OpenZeppelin standard and deployed with truffle
<https://opensea.io/collection/perpetuity-main-collection>
- Verified contract on Polyscan
<https://polygonscan.com/address/0x06b39a5b666e75af450b80d8dc600f39f8fed367#code>

SOFTWARE ENGINEERING IMMERSIVE - (2021) at GENERAL ASSEMBLY - District of Columbia

- 12 Weeks/500+ hour course of intensive Full Stack Development instruction
- Developed client-side applications using JavaScript, React
- Utilized Git and GitHub for version control
- Building RESTful APIs storing data for web-apps using MongoDB and third-party APIs
- Final Project: React, Node.js, AWS, Heroku, mongoDB, Express, HTML, CSS
<https://github.com/wpMcDonnell/not-a-tourist-client>

DATA TECHNICIAN - (2020 - 2021) at AMAZON WEB SERVICES - Sterling, VA

- Performed diagnostics and troubleshooting on AWS EC2 and S3 servers via Linux
- Resolved an average of 20 to 36 trouble tickets per week
- Escalated logistical and software issues regarding part compatibility of AWS servers
- ISO tested an average of 20+ servers per day

COMPTIA A+ / NETWORK+ STUDENT - (2019 - 2020) at LFCC- Warrenton, VA

- Completed 128 hours of in class lectures to pass the CompTIA A+ and Network + exams
- Planning to complete Security + in near future

SPECIAL ASSISTANT - (2014- 2016) at SMITHSONIAN INSTITUTION – District of Columbia

- Programmed and managed the Smithsonian Office of the Regents' website via HTML
- Assisted in technical support of board members' computers, tablets, and mobile devices
- Advised executive management of Smithsonian and federal directives
- Operated as liaison to internal Smithsonian Executive Offices on behalf of the governing board