**Colin McMurtray**

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**Summary**

Full stack developer seeking roles in software development, with a particular interest and expertise in backend development. Graduated from a rigorous coding bootcamp, equipped with comprehensive knowledge across various technologies. Experienced retail worker with a strong focus on customer service with a background in Computer Science and Geography focused on GIS.

**Projects**

**Magpie Gallery |** GitHub: <https://tinyurl.com/3zxer2m4> | Deployed: <https://tinyurl.com/272xknfc>

Description: Our group created a full-stack web app for artists to showcase their work and connect with others

Personal Objective: Developed login functionality and ensured user credentials were encrypted and secure

Tools/Technologies Used: Node.js, Express.js, MySQL, Handlebars, JavaScript, HTML, CSS, GitHub

**Filmdex |** GitHub: <https://tinyurl.com/yc7r42pc> | Deployed: <https://tinyurl.com/4e95af7c>

Description: Our group created a web app that provides comprehensive information on movies and TV shows

Personal Objective: Developed API calls to retrieve information and functionality to display movie posters

Tools/Technologies Used: JavaScript, HTML, CSS, GitHub, GitHub Pages, and Third-Party APIs

**Education and Training**

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| **University of North Carolina** | Chapel Hill, NC |
| *Certificate Full Stack Development* | March 2023 |
| **University of Mary Washington** | Fredericksburg, VA |
| *Bachelor’s in Geography focused on GIS and Minor in Computer Science* | May 2022 |

Relevant Coursework: Computer Programming/Problem Solving, Object-Oriented Analysis and Design, Discrete Mathematics**,** Applications of Databases, Information Storage and Retrieval, Networking, Spatial Analysis, Web GIS, GIS Programing

**Skills**

Languages: Python, Java, JavaScript ES6, HTML, CSS, SQL

Database Management Systems: MongoDB, MySQL, Redis, MariaDB, Neo4j, Cassandra

Back-End Tools: OOP, npm, Express.js, Node.js, Sequelize, Mongoose, Multer, RESTful APIs, Flask, NumPy, Python os, Python ArgParse, Python Collections, Pandas, ArcPy, java.io.File, java.io.FileInputStream, java.util.Locale, java.util.Hashtable java.io.FileNotFoundException, java.util.stream, java.io.IOException, Google cloud, AWS, Heroku,

Front-End Tools: jQuery, React.js, Fetch APIs, Handlebars, Bootstrap, Redux, Django, GitHub Pages

Miscellaneous Skills: Index Construction, Web Crawling, Regular Expressions, Traditional/Machine Learning-Based Ranking, Link-Based Algorithms, Metadata Usage, Jupyter Notebook, OSI layers, Internet Protocol Stack, Wireshark, GraphQL, JSON, Jest, Git, GitHub, GitLab, Agile methodology

**Experience**

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| **Crew Member** | Jacksonville, FL |
| *Moe’s Southwest Grill* | August 2022 |

* Utilize the company’s user interface to record customer orders accurately and efficiently
* Stay updated with menu changes for customer inquiries and provide informed recommendations
* Collaborate with team members to ensure timely and accurate order fulfillment

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| **Restaurant Server** | Baltimore, MD |
| *Akira Ramen and Izakaya* | August 2021 |

* Fostered welcoming environment at the restaurant
* Navigated and used terminal for recording customer orders

**Activities and Leadership**

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| **Eagle Scout** | Ellicott City, MD |
| *Troop 944* | November 2018 |

* Managed a community service project constructing picnic tables for a local animal shelter
* Led a team of 15-20 volunteers during the project

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| **College Debater** | Fredericksburg, VA |
| *University of Mary Washington Debate Team* | March 2020 |

* Conducted thorough research to strengthen arguments and cases
* Demonstrated effective public speaking skills in high-pressure situations