

James McKim

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Education:

West Chester University, West Chester, PA | B. S. in Computer Science | **Expected: May 2026**

Delaware County Community College, Media, PA | A. S. in Computer Science | **June 2023**

Technical Skills:

Languages: C, C++, Java, JavaScript, Express, Python, Haskell, SQL, YAML

Tools & Platforms: Git, Unix/Linux, Kubernetes, Docker, NodeJS, MongoDB, Visual Studio Code, Bash

Concepts: Infrastructure as Code, REST (API), Object-Oriented Programming, Data Structures, Code Refactoring, Polymorphism, Shell Scripting, Cloud Deployment

Certifications:

Cloud Engineering Certification - West Chester University (**In Progress**)

AWS Certified Cloud Practitioner (CLF-C02) - AWS ([Link](#))

Projects:

Cloud Webservice 2025 (Group Project):

- Collaborated with an agile team to develop and deploy a full-stack, AI-powered application on a Kubernetes cluster.
- Automated environment management using Infrastructure as Code and created deployments/services for reliable scaling.
- Built using a tech stack of custom Docker images including Node.js and MongoDB, hosted on a cloud platform.

Shell Interpreter 2025:

- Engineered a custom C shell interpreter from the ground up, capable of parsing user arguments and executing programs.
- Gained a deep understanding of Unix process control, including process creation (fork), execution (exec), and system-level programming.

Work Experience:

February 2015 - Present: Weaver Mulch, Coatesville, PA - - General Foreman / Yard Operator

- Managed daily operations for a seasonal business, strengthening customer relations through expert product knowledge and service.
- Coordinated logistics for ~250 daily deliveries and managed front-of-house operations during peak season (~300 daily invoices).
- Proposed and enacted a new pricing system to meet business needs.