

ASHA MWEENE

(240) 474-2570 | ashamweene2004@gmail.com | ashamweene.fyi | [linkedin.com/in/ashamweene](https://www.linkedin.com/in/ashamweene) | github.com/a-mwen

EDUCATION

Point Park University

Bachelor of Science in Applied Computer Science

Pittsburgh, PA

Expected May 2025

Relevant Coursework: Database Systems, Data Structures, Algorithms, System Design, Cloud Computing, Web Applications, Mobile App Development, Object-Oriented Programming, Network and Security

TECHNICAL SKILLS

Frontend: HTML5/CSS3, JavaScript (ES6+), TypeScript, React, Redux, Next.js

Backend: Node.js, C# (ASP.NET Core), PHP, Java, Python, SQL, REST APIs, GraphQL

Cloud & DevOps: Azure AD B2C, AWS, GCP, Docker, Kubernetes, Terraform, Jenkins, CI/CD Pipelines, GitOps

Data & ML: TensorFlow, Keras, NumPy, pandas, scikit-learn, Matplotlib, data visualization

Tools & Others: Git, GitHub, Jira, Agile, Scrum, Postman, Firebase, Linux, OAuth 2.0, JWT, Unit Testing, HTTP/TCP/IP

EXPERIENCE

Computer Science and Mathematics Tutor

Oct 2023 – Current

Point Park University, Center for Student Success

Pittsburgh, PA

- Delivered technical mentorship in programming, data structures, and algorithms, helping students develop problem-solving skills
- Provided guidance on software development best practices, improving students' understanding of OOP and system design
- Designed custom learning plans that increased students' proficiency, demonstrating strong communication skills
- Created supplementary programming exercises and data structure visualizations that improved student test scores by 15% on average

Software Engineering Intern (Full Stack)

Jan 2023 – Apr 2023

Sunfresh Food Service

Pittsburgh, PA

- Developed a full-stack enterprise web application for inventory and order management using C# (ASP.NET Core) and PostgreSQL, streamlining operations by 30%+ and reducing manual order errors by 40%+
- Designed and integrated RESTful APIs, enhancing system interoperability and data consistency across services
- Collaborated with stakeholders to align technical solutions with business needs, demonstrating adaptability
- Implemented automated testing that reduced deployment bugs by 25%, improving overall system reliability

PROJECTS

Secure Authentication with Azure AD B2C | *React, Azure AD B2C, MSAL.js, Node.js*

- Implemented a secure authentication system using Azure AD B2C, improving login reliability by 25%
- Integrated OAuth 2.0 flows with MSAL.js, ensuring 99.9% authentication success for Microsoft SSO users
- Secured API communication in a Node.js backend, reducing unauthorized access attempts by 20%
- Designed a user-friendly error handling system that decreased support tickets by 35%

EventTracker | *PHP, JavaScript, HTML/CSS, PostgreSQL, Chart.js*

- Built a full-stack event management system with an AI chatbot for automated responses
- Designed a real-time analytics dashboard using Chart.js for tracking key performance metrics
- Implemented role-based access control for enhanced data security and privacy
- Created a mobile-responsive design that increased user engagement by 40% on mobile devices

CNN Image Classification | *Python, TensorFlow, Keras, NumPy, Matplotlib*

- Engineered a CNN model for CIFAR-10 image classification, achieving 85%+ accuracy in object detection
- Optimized model through hyperparameter tuning and visualized performance with Matplotlib
- Implemented data augmentation techniques that improved model generalization by 12%

PROFESSIONAL AFFILIATIONS

Member, Pittsburgh Technology Council

Member, ColorStack

Member, Rewrite the Code