

TAYON WILLIAMS

Innovative Software Engineer & Chemist | Solutions-Oriented Lifelong Learner

864-337-1201 | tayondw@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

SKILLS

Programming Languages: (*proficient*): JavaScript, Python, HTML5/CSS3, PostgreSQL, (*familiar*): Rust, TypeScript, Tailwind

Software Tools & Technologies: (*proficient*): Docker, AWS S3 & EC2, JS Frameworks, Python Frameworks, Git, Figma, Canva, yfinance API

EXPERIENCE

Technology and Community Engagement Manager | *BLAC PAC*, Remote

March 2025-Current

- Led teams of freelance developers and content writers, managing technical and creative operations.
- Led the creation of multiple market analysis whitepapers for use by a startup providing SaaS to construction companies.
- Generated detailed proposals, including cost estimates and technical specifications, to meet customers' database requirements..

Software Engineer (LLM Training Expert) | *Consultant for Outlier AI*, Remote

September 2024-Current

- Developed and optimized machine learning models using JavaScript/Python/Swift/Rust, increasing accuracy.
- Debugged and resolved issues related to model training and deployment, ensuring seamless operation and reducing downtime.
- Documented workflows and created technical guides to assist team members in understanding model functionalities.

Full-Stack Developer | *Tayon Enterprises*, Remote

September 2024-Current

- Redesigned interfaces with modern aesthetics, user-focused principles, and mobile responsiveness, boosting user satisfaction by 20%.
- Improved site visibility and rankings with keyword integration, metadata optimization, and performance enhancements.
- Developed a chatbot prototype with Node.js used for employee training and onboarding..
- Designed React frontends that enabled staff to efficiently debug routing, latency, and GRE tunnels, improving troubleshooting speed.

Founding Engineer & CEO | *Men Cry Too*, Remote

July 2023-Current

- Engineered a tech startup generating over \$5,000+, overseeing requirements gathering, and solution architecture.
- Led a project providing key venture capital and business development research for a public multibillion-dollar health tech company.
- Generated detailed proposals, including cost estimates and technical specifications, to meet investors' and partners' requirements.

PROJECTS

MCT

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- Designed a full-stack app where users can join groups, attend events, create a profile with issue-specific tags, and post sharing using full CRUD operations to ensure a perfect user experience.
- Incorporated AWS S3 for a seamless user experience (UX) of real-time communications of commenting and photo-sharing.
- Enhanced the application's efficiency, dynamism, and maintainability by 30% utilizing React Router DOM loaders and actions as a streamlined alternative to Redux.
- Utilized: React, TypeScript, Tailwind, Docker, Python, Flask, SQLAlchemy, AWS S3, PostgreSQL, Figma

Ravenhood

[Live](#) | [Repo](#)

- Coordinated project utilizing Kanban methodology within a team to effectively organize tasks, track progress, and ensure timely completion of all required features, resulting in a fully functional and optimized web application.
- Leveraged the yfinance API to import and seed real-time stock data allowing the construction of the entire site for user accounts.
- Developed a full-stack app with React/Redux frontend and Flask/SQLAlchemy backend for efficient data synchronization.
- Utilized: React/Redux, Python, Flask, SQLAlchemy, AWS S3, yfinance API, PostgreSQL

Oh, The PlacesWe Will Grow!

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- Implemented custom user authentication utilizing BCrypt Hashing Function on the backend and React Auth Routes on the front end to prevent storing plain text passwords and restrict access to user-specific data and features.
- Initiated RESTful APIs to facilitate seamless communication between the client side and server side of the application.
- Designed a custom error page using React Router to render server error messages and status codes dynamically.
- Utilized: React/Redux, Express, Sequelize, AWS S3, SQLite, PostgreSQL, Postman

EDUCATION

App Academy, *Software Engineering*

Online

- Graduated from a highly competitive program with a 3% acceptance rate, completing 1100+ hours of intensive coding.
- Mastered full-stack web development technologies, best practices (TDD and CI/CD), and scalable architecture design.

The University of Georgia, *Bachelor of Science in Chemistry - Minor: Spanish*

Athens, GA

AWARDS

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| Impact Award, Clarke County School District | May 2017 |
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PROFESSIONAL CERTIFICATIONS

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| Rust Fundamentals, Duke University, Credential ID: XJE6IJ1X98Y6 | February 2025 |
| Software Engineer, App Academy | September 2024 |
| HTML and CSS in Depth, Meta, Credential ID: 6JENLZAPAHN6 | November 2023 |
| Version Control, Meta, Credential ID: MKR5PBQ97QNY | October 2023 |
| Programming with JavaScript, Meta, Credential ID: 4CWFHCGDX4X6 | October 2023 |
| Introduction to Generative AI, Google, Credential ID: NGSL3CKYGJAT | October 2023 |

COMMUNITY INVOLVEMENT

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| RenderATL, Volunteer | June 2025 |
| Atlanta Tech Week, Volunteer | June 2025 |
| 404 Day, Volunteer | April 2025 |
| Google x Career Karma’s Black Genius Academy: A Tech Equity Collective, Member | October 2023-Current |
| UGA Alumni Association, Member | May 2017-Current |
| American Chemical Society, Member | August 2015–Current |
| Colgate-Palmolive Social Committee, Member | July 2018-August 2019 |