Joshua Asoh

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EDUCATION

Central Connecticut State University - New Britain, CT — *Expected May 2027*
Master of Science, Computer Information Technology (4+1 Program) — ***Overall GPA: 3.71***

Central Connecticut State University - New Britain, CT — ***August 2023 – December 2025***
Bachelor of Science, Computer Engineering Technology — ***Overall GPA: 3.44***

- Club Involvement: Vice President of I.E.E.E, A.S.O Club
- Societies: National Society of Black Engineers, ColorStack
- FactSet Student Ambassador

SKILLS & CERTIFICATIONS

Cloud & DevOps: AWS (Lambda, API Gateway, DynamoDB, SES, S3, CloudWatch, Bedrock, ECS), Terraform, GitHub Actions (OIDC), Harness, Jenkins, Cloudflare Workers, Docker (basic), Checkov

Web & Software: Python, TypeScript, React, Vite, Tailwind CSS, Angular, Playwright, C, C++, Cursor AI, Microsoft Office, Google products, Multisim, SOLIDWORKS, Raspberry Pi

Engineering: Electronic Circuit Prototyping, Soldering, Blueprint Reading, Circuit Analysis, 3D Modeling, 2D Drafting & Drawings, Assembly Design, Prompt Engineering

Hardware: Windows OS, Linux OS, Printer Management, ConnectWise Automate, ConnectWise Manage

Lab: Research and Design/Development, Integrative Workflow, Data Analysis, Good Laboratory Practice (GLP)

Leadership: Team Leadership, Project Oversight, Social Networking, Quality Control

Certifications: *BioLaunch Laboratory Operations* 02/2024 | *SolidWorks Associate* 03/2021 | *OSHA-10* 03/2019

WORK EXPERIENCE

T&O LDP Associate – Platform/DevOps Engineer
The Hartford Insurance – Hartford, CT — **January 2026 – Present**

- Delivered engineering work across 21 repositories (214 pull requests authored, 144 merged, as of November 2026) for ATLAS, a shared developer platform used by 4,000+ Hartford engineers (platform figure, November 2026), spanning developer experience, CI/CD automation, cloud workflows, and internal tools.
- Built Atlas Studio, a developer-tooling pipeline that turns guide content into narrated 4K/8K walkthrough videos, with automated production and adaptive audio for developer education and onboarding.
- Leading the implementation of browser-based Guides (side project): interactive, step-by-step guides that help engineers learn workflows and complete setup as part of self-service onboarding.
- Engineered and hardened Harness project provisioning and onboarding, including rerunnable project creation, smoke testing, access configuration, and service-account reconciliation.
- Led a zero-downtime, dual-write DynamoDB key migration across the DevOps Intelligence API and data ingestion; also shipped pipeline-query and guide deep-link capabilities.
- Improved reliability across developer tooling through cross-platform integration tests, VS Code updater and release-workflow improvements, and an at-least 80% code-coverage threshold for extension development.
- Led technical onboarding and knowledge transfer, supported LDP mentorship and orientation, mentored associates and interns, and contributed to university engagement.

Cloud and Reliability Engineering Intern
The Hartford Insurance – Hartford, CT — ***May 2025 – August 2025***

- Provisioned cloud infrastructure with Terraform; ensured compliance with AWS IAM and security protocols
- Developed and deployed a responsive Angular UI integrated with AWS Bedrock for real-time chatbot interactions
- Led prompt engineering and modular pipeline design for processing unstructured internal documentation
- Deployed agentic workflows for autonomous information retrieval, reducing queries by 80% across 800+ engineers

- Engineered a GenAI-powered document chatbot using Claude 3.5 Sonnet and Bedrock, integrating AWS ECS, Lambda, and S3 to support a Retrieval-Augmented Generation (RAG) workflow

Client Experience Associate
The Computer Company – Cromwell, CT ***February 2024 – March 2024***

- Managed PC imaging and Service Board tickets, ensuring efficient IT operations.
- Implemented cybersecurity measures based on ***Bitdefender*** recommendations.
- Utilized ***Cisco Meraki Portal*** for network management and optimization.
- Monitored and troubleshooted alerts from various devices, ensuring minimal downtime.
- Upgraded software on devices to enhance security and system integrity.
- Leveraged ConnectWise Automate and ConnectWise Manage for streamlined IT operations.

Information Technology Student Technician
Gateway IT Department - New Haven, CT ***October 2022 - May 2023***

- Collaborated with IT professionals to repair a script malfunction that affected **36,000+** students and faculty across 12 Community Colleges
- Troubleshooted technical issues in a virtual environment that allowed users more efficient access to their data
- Installed and configured hardware, software, and networks around campus as well as updating necessary software such as: ***Bomgar***, ***Windows O.S.***, ***Mac O.S.***, ***Microsoft Azure***, and ***Active Directory***
- Contributed to team effort by regularly doing printer maintenance and management

PROJECTS

juasoh.com – Personal Portfolio Platform | *React, TypeScript, AWS, Terraform* ***2026 – Present***

- Built a pre-rendered React/TypeScript site on Cloudflare Workers with per-page SEO metadata, JSON-LD structured data, a generated sitemap, and GA4 traffic-source attribution.
- Designed a serverless contact API (API Gateway, Lambda, DynamoDB, SES) in Terraform with least-privilege IAM, throttling, CloudWatch alarms, and a budget alert, served at aws.juasoh.com.
- Automated CI/CD in GitHub Actions with OIDC (no stored keys), unit tests, Terraform validation, Checkov security scanning, and approval-gated deploys.

AI-Powered Lead Generation | *Python, OpenAI, PRAW, Airtable*

- Automated lead generation and outreach for a home care agency: finds caregiving-related Reddit posts, scores them with AI, and logs leads and outreach in Airtable.

Kate AI – FactSet Externship Hackathon | *Python, Streamlit* ***May 2024***

- Built a smart portfolio manager that answers questions about stocks and portfolios using FactSet and news data.

LEADERSHIP, MENTORING & COMMUNITY

Institute of Electrical and Electronics Engineering (I.E.E.E) – *Vice President* ***July 2023 – April 2024***

- Recruited approximately 40 new members during the CCSU involvement fair.
- Overhauled the Discord Server by introducing bots and channels for improved information organization.
- Spearheaded initiatives to establish partnerships with leading Financial Technology, and insurance companies (**FactSet, COCC, The Hartford, Travelers**) for diversity-focused hiring events.

NAAIA Greater Hartford Chapter – *Committee Member* ***May 2026 – Present***

- Serves on the Programs, Career Expo, College & University Outreach, and SHINE committees.
- Plans professional-development events and an early-career expo, and reaches out to local universities to support student career readiness.

Central Connecticut State University – *Student Team Mentor*

- Joins weekly sprint reviews with student software teams and guides them on cloud, DevOps, and agile practices.

FIRST Robotics (Hartford) – *Event Volunteer*

- Handled event setup and field resetting for a youth robotics competition.