



Abram Johan

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EDUCATION

University of Virginia

Charlottesville, Virginia

B.S. in Computer Science

Expected Graduation: December 2024

Relevant Coursework: Data Structures, Algorithms, Machine Learning, Computer Systems & Organizations, Advanced Software Development, Database Systems, Cloud Computing, & Internet Scale Applications

SKILLS

Languages: Python, Java, C, C++, C#, JavaScript, Typescript, Assembly, Bash, HTML, VB.NET, MATLAB, PHP, SQL

Tools: Django, JUnit/TestNG, Selenium, Bootstrap, JavaFX, GitHub, GitLab, Heroku, Hibernate, Entity

Operating Systems: Linux, Unix, Ubuntu, GNU, Windows

Cloud: Amazon Web Service (AWS), Microsoft Azure, Google Cloud Platform (GCP)

Additional Skills: Agile/Scrum, Jira, Confluence, JSON, XML

Certifications: AWS Certified Cloud Practitioner

EXPERIENCE

BWX Technologies

Lynchburg, Virginia

Software Engineering Intern

May 2024 – Present

- Migrating legacy applications on .NET from Visual Basic to C#
- Converting coordinate measuring machine (CMM) inspection programs from CMES to CAMIO
- Securing Department of Energy (DOE) L-Level Security Clearance

iWorks Corporation

Reston, Virginia

Software Engineering Intern

June 2023 – September 2023

- Constructed and deployed an AI/ML-based pipeline for generating test data, optimizing testing procedures and enhancing data quality.
- Designed and implemented automated test scripts for web applications using Selenium
- Established a streamlined Gitlab automation pipeline for continuous integration/deployment (CI/CD)

AJACE Inc

Chantilly, Virginia

Data Analyst Intern

May 2022 – Aug 2022

- Modeled company production data using MATLAB, facilitating data-driven decision-making.
- Conducted comprehensive testing of Java applications with JUnit, improving reliability and speed.
- Migrated legacy SQL data to a MongoDB database, ensuring data integrity, scalability, and access.

PROJECTS

UniMeet Web App

April 2024

- Spearheaded the design and implementation of a full-stack web platform for university students
- Leveraged PHP to construct a MySQL database and manage server-side business logic
- Developed a practical user interface using HTML, enriched by CSS styling and interactive JavaScript elements

Hoo's Busy Web App

November 2023

- Developed an interactive application for UVA students to navigate local activities and study spots
- Leveraged Django and Python to establish a robust back-end infrastructure, including the initialization and management of a PostgreSQL database.
- Integrated Google's authentication system and Google Maps API into user interface.