

# Yonathan T. Gashu

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## EDUCATION

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### Georgia Institute of Technology

Atlanta, GA

*Bachelor of Science in Computer Science - GPA 3.85/4.0*

*Graduating May 2027*

- Specializing in *Artificial Intelligence & Information Internetworks*
- Coursework: Data Structures & Algorithms, Computer Organization, Object-Oriented Programming, Linear Algebra

## EXPERIENCE

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### Department of Defense (DoD)

May 2024 - Aug. 2024

*Artificial Intelligence Research Intern*

*Washington, DC*

- Worked alongside senior researchers on a project investigating how knowledge graphs (KGs) can be extracted from unstructured text
- Collaborated with researchers on the development of a KG-RAG system to enable Knowledge Graph Question Answering (KGQA)
- Developed methodologies for Named Entity Recognition (NER) and Relationship Extraction (RE) to populate the KGs
- Wrote *Python* scripts using *pandas* & *numpy* for efficient processing of data from PDF to KG format

*Software Engineer Intern*

Sep. 2022 - Aug. 2023

- Member of the government development team in the Data Targeting Solutions division. This team is essential for the creation of enterprise applications in support of targeting using Cloud Native techniques
- Utilized *Java* to develop backend database management features for internal web application, and successfully integrated those functionalities into the frontend interface using *VueJS*
- Created a developer-sided API to allow for more efficient creation of test agreements/datafeeds
- As part of a DevOps team, supported project from requirements gathering, development, unit testing, integration testing to deployment and maintenance

### Verizon

Jul. 2022 - Aug. 2022

*System Engineer Intern*

*Remote*

- Implemented GitLab and Jenkins for streamlined continuous integration and continuous deployment (CI/CD) processes, facilitating efficient code management
- Acquired expertise in essential systems, encompassing DevOps practices, AWS, microservices architecture, and cloud computing solutions

## AWARDS AND ADDITIONAL EXPERIENCE

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**Georgia Tech Provost Scholarship:** Prestigious merit scholarship awarded to 60 out-of-state students, from a pool of thousands

**Stokes Educational Scholarship:** Selected to receive up to \$30,000 in tuition scholarship annually, a year-round salary, and summer internships

**VIP Member:** Member of the Autonomous and Connected Driving Simulator VIP on the Cybersecurity subteam

## TECHNICAL SKILLS

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**Languages:** Java, Python, C#, TypeScript, HTML, CSS

**Frameworks:** React, Node.js, Vue, JUnit

**Developer Tools:** Linux, Git, Docker, Amazon Web Services, Google Cloud Platform, VS Code, IntelliJ, Jenkins, Agile, JIRA, Unity