Yonathan T. Gashu

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EDUCATION

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: Computer Organization, Data Structures & Algorithms, Object-Oriented Programming, Linear Algebra

EXPERIENCE

Department of Defense (DoD)   May 2024 - Present
Artificial Intelligence Research Intern   *Washington, DC*
- Work alongside senior researchers on a project investigating how knowledge graphs (KGs) can be extracted from unstructured text
- Collaborate with researchers on the development of a KG-RAG system to enable Knowledge Graph Question Answering (KGQA)
- Develop methodologies for Named Entity Recognition (NER) and Relationship Extraction (RE) to populate the KGs
- Contribute to advancements in novel alogrithms for identifying contradictions within KGs
- Write Python scripts using pandas & numpy for efficient processing of data from PDF to KG format

Software Developer 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
- Participated in scrum Agile development methodology, including all ceremonies
- As part of a DevOps team, supported project from requirements gathering, development, unit testing, integration testing to deployment and maintenance
- Created a developer-sided API to allow for more efficient creation of test agreements/datafeeds

Verizon   Jul. 2022 - Aug. 2022
System Developer 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

Stokes Educational Scholarship: Selected to receive up to $30,000 in tuition scholarship, a year-round salary, and summer internships
Monetary Award: Granted by the Department of Defense for achieving high quality results as a Software Developer Intern
Georgia Tech Provost Scholarship: One of 60 students awarded $85,000 over four years

TECHNICAL SKILLS

Languages: Java, Python, C#, Rust
Frameworks: Vue, React, JUnit
Developer Tools: Linux, Git, Docker, Amazon Web Services, Google Cloud Platform, VS Code, IntelliJ, Jenkins, JIRA, Unity