Yonathan T. Gashu

202-816-2145 | yonathangashu@gmail.com | linkedin.com/in/ygashu | ygashu.dev

EDUCATION

Georgia Institute of Technology — Atlanta, GA

Bachelor of Science in Computer Science - GPA 3.93/4.0 — *Graduating May 2027*

- Specializing in *Artificial Intelligence* & *Information Internetworks*
- Coursework: Data Structures & Algorithms, Computer Organization, Computer Systems & Networking, Linear Algebra

EXPERIENCE

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

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

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