

# Sidney Johnson

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## EDUCATION

### University Of Georgia

Bachelor of Science in Computer Science

GPA: 3.31

Athens, GA

Expected Graduation: May 2027

## EXPERIENCE

### Software Engineering Intern

June 2023 – August 2024

U.S. Air Force - 402d Software Engineering Group

Warner Robins, GA

- Acted as Scrum Master for a team of 4 interns, utilizing Agile development methodologies on the OneDev platform
- Developed an AI model using YOLOv5, Python, and a Raspberry Pi-powered Freenove Car to detect objects, dynamically change LED colors, and navigate autonomously within boundaries
- Shadowed the SPIDR Program, an enterprise solution supporting encrypted data translation between Link-16, SADL, and SATCOM Gateways, saving an estimated 15 million USD annually in sustainment costs

### Information Technology Intern

August 2022 - December 2022

Peach County Schools

Fort Valley, GA

- Indexed and organized 100+ department assets using Excel, streamlining inventory management and reducing search time by 50 percent
- Repaired 80+ laptops, servers, and printers, restoring critical infrastructure and maintaining 95 percent uptime across the school district
- Rewired 2 ethernet wall outlets, restoring network connectivity and reducing downtime by 50 percent

## PROJECTS

### Freshman Capstone

December 2023

- Collaborated on a class project inspired by Georgia Power's needs, designing an insulated cover for an Apple Watch to enable electrical linemen to safely wear the device beneath their gloves in energized environments
- Identified 6 key internal and external stakeholders for the project and their needs and wants
- Devised a graph to visualize the power and interest of the stakeholders to determine necessary additions to the design

### Network Attached Storage Server | Samba, SSH, DNS, DHCP, HTTP, Linux, WireGuard

June 2023

- Designed a custom NAS solution with a Raspberry Pi 4, cutting cloud storage costs by 100 percent while securely storing 100+ digital assets
- Integrated WireGuard VPN Tunneling, enabling remote access and improving security for media access

## LEADERSHIP AND COMMUNITY INVOLVEMENT

### The Institute of Electrical and Electronics Engineers

May 2024 - Present

Director of Events

Athens, GA

- Oversaw planning, execution, and created promotional materials for 11 chapter events
- Boosted event attendance by 75 percent compared to the previous year through targeted outreach
- Organized 6 employer events that provided students with insights into opportunities within Johnson and Johnson, Smurfit Westrock, Fiserv, Southern Company, UPS, and Micron

### Project Manager - Marketing Task Force

May 2024 - June 2024

Servant Leader Scholars

Atlanta, GA

- Led a service project that fed 792 homeless individuals in Metro Atlanta, exceeding registration goals with 85 volunteers and surpassing fundraising goals with 2,520 USD
- Managed the project's digital strategy, leveraging social media and analytics to target promotional materials and increase engagement

## TECHNICAL SKILLS

**Languages:** Java, Python, SQL, JavaScript, HTML/CSS

**Developer Tools:** Git, VS Code, Eclipse, IntelliJ, GitHub, Jupyter Notebook, OneDev,

**Libraries:** pandas, NumPy, Opencv