

Kenneth Alexander Jenkins

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EDUCATION

Georgia Institute of Technology

*B.Sc. in Computer Engineering; Fall 2023 **HOPE GPA: 3.85/4.00***

Concentrations: Cyber Security, & Systems/Architecture

Atlanta, Georgia

May 2022 – May 2026 (Expected)

New Creation Christian Academy

*High School Diploma; Cum Laude **GPA: 3.95/4.00***

McDonough, Georgia

August 2018 – May 2022

WORK EXPERIENCE

Valmet, Inc.

DevOps & Automation Engineering Intern

Atlanta, Georgia

May 2024 – December 2024

- Collaborated with a dynamic team of industry-leading experts in the Pulp & Paper sector, participated in customer sales/goal planning sessions, and conducting mill audits.
- Programmed an artificial intelligence system for in-house use with proprietary documentation, utilizing Retrieval-Augmented Generation (RAG), which is estimated to save the company over \$30 million USD per year.
- Developed software for internal use to monitor and control key performance indicators (KPIs) of industrial process measurements - estimated to save the company over \$100,000 USD per year.
- During a mill audit, I successfully diagnosed an issue with the Boiler-furnace camera, saving the company thousands of dollars by eliminating the need to fly senior engineers in from Finland for repairs.

Montra Technologies, Inc.

IT Logistics Intern

Atlanta, Georgia

February 2024 – May 2024

- Supported workforce productivity optimization by assisting in onboarding/offboarding backend processes and developing features within Montra software.
- Contributed to device logistics management, ensuring timely deployment and efficient resource utilization across different locations.
- Participated in device management efforts, ensuring devices were updated and ready for deployment while collaborating on security monitoring systems.
- Assisted in field rollout and installation procedures, facilitating smooth device setup and operation in various operational environments.
- Contributed to the development of features simplifying cyber compliance processes, ensuring adherence to cybersecurity standards and facilitating audits.

Georgia Institute of Technology

Guest Services Manager

Atlanta, Georgia

October 2023 – August 2024

- Managed event setup logistics, ensuring efficient arrangement of furniture across 75% of Georgia Tech's most trafficked spaces.
- Collaborated with clients to fulfill their event requirements and conducted routine facility checks to address client needs and maintain facility standards.
- Facilitated seamless guest experiences by overseeing event preparations and addressing any facility-related issues promptly.

Foster & Smith, LLC

Law Clerk & IT Supervisor

Jonesboro, Georgia

November 2021 – January 2024

- Researched and advised Attorneys on past and present legal cases, included archiving and managing legal documents.
- Developed Python and PHP programs for internal purposes, including a document creation tool for will drafting and a server-side application for document management.
- Built a stable computer server system for use in house. Developed remote access capabilities for the firm, and lead the transition to a new time management platform built for Attorneys.
- Managed and executed a meticulous multi-disk data recovery project, successfully restoring vital files from an obscure file system after a catastrophic data loss event. I then implemented a robust off-site backup strategy, incorporating nightly encrypted disk syncs with rsync to a BackBlaze data center in Virginia, ensuring both data integrity and compliance with all legal requirements.

- Implemented and maintained network infrastructure, including routers, switches, and firewalls - monitored traffic using wireshark packet analysis software to ensure secure connectivity and data flow.
- Conducted regular offsite data backups of all employee computers and disaster recovery planning, safeguarding critical legal documents through SHA256 encryption and LZ4 compression algorithms on local server ensuring business continuity.
- Implemented and enforced security protocols, including user authentication, access controls, and antivirus measures to protect sensitive client information.
- Researched, evaluated, and implemented Nextcloud as a cost-effective document management solution. Deployed and customized the server on FreeBSD, optimizing performance and aligning with branding. Strengthened security through Fail2ban, mitigating unauthorized access risks.

Clayton State University

Morrow, Georgia

Teaching Assistant – Trigonometry and Analytical Geometry

Jan 2023 – May 2023

- Assisted the instructor in conducting Trigonometry classes by preparing lesson materials, explaining concepts to students, and conducting study sessions.
- Graded homework assignments and exams, provided feedback to students, and tracked their progress throughout the course.
- Supported students who were struggling with Trigonometry by providing extra help during office hours, answering questions via email, or referring them to additional resources.

RESEARCH EXPERIENCE

Muse.AI Research Group

Georgia Institute of Technology

Undergraduate Research Assistant

August 2024 – December 2024

- Developed and implemented two custom AI models, leveraging Meta's LLaMA LLM and Stability's Stable Diffusion as frameworks.
- Developed a frontend UI in GoLang aimed at establishing the program as the gold standard in AI-driven performance art creation, released under the GPL license.
- Collaborated with a multidisciplinary team to integrate EEG data from a brain-computer interface (BCI) into the creation of dynamic visual art and harmonic music, driven by live brainwave data for a performance. | [GitHub](#)

Mathematics Research Projects

Clayton State University

Undergraduate Research Assistant

August 2022 – May 2023

- Newtons Method – A Python program written to demonstrate Newton's Method of finding roots. | [GitHub](#)
- Java Math Iterator – A Java program written to demonstrate computational iteration. | [GitHub](#)

Arts Conference Presentations

GT Arts Exhibition – Georgia Institute of Technology

October 2024

- Muse.AI Research Group – Led the development of an innovative project integrating AI, neuroscience, and art into a seamless, interactive platform for live dance performances, utilizing the Muse 2, an affordable consumer-grade brain-computer interface (BCI). | [View Code](#)

Research Conference Presentations

Student Success Conference – Clayton State University

April 2023

- Falling Into Viscosity – This project aimed to determine the viscosity of an unknown fluid by analyzing a video of a falling metal ball. The motion was tracked using the Open-source Tracker video analysis software. The results demonstrated the effectiveness of combining Tracker software with Stokes law for measuring fluid viscosity, providing a low-cost and accessible method with potential applications in research and industry. | [View Poster](#)
- Developing Metacognitive Skills – This project aimed to examine the impact of developing metacognitive planning skills on student success in online math classes. The objective was to contribute to the research on metacognition in virtual learning environments and provide insights for educators and students in developing effective metacognitive strategies for online learning. | [View Poster](#)

AWARDS & ACHIEVEMENTS

National Hispanic Scholar: Merit-based award for Hispanic students pursuing a college degree. Includes financial support, Scholar Support Services (mentoring, leadership development, personal wellness training), and additional support for demonstrated financial need. Awarded to less than 10K high-school students per year.

AP Scholar Award: Awarded to high-school seniors who receive scores of 3 or higher on three or more AP Exams.

Crusader Award: The highest honor given to athletes at NCCA, presented to one varsity athlete who demonstrate exceptional character, leadership, work ethic, discipline, accountability, and positive influence on their teammates.

PROJECTS

Argon | [GitHub](#)

- A open-source GUI application designed to provide a stable and reliable platform for software developers and power users to get started using their Mac's as quickly and reliably as possible - without leaving a trace.
- Written in Go and Shell.

Calculus Cruncher | [GitHub](#)

- A open source web-app built on JavaScript designed for students studying Mathematics.
- Features key terms and definitions on animated flashcards.

Buzz_Off | [GitHub](#)

- A browser extension that replaces any text related to The university Of Georgia with various taunts.
- After publication, it was viewed over 74K times in under 72 hours – it currently has over 50+ active users.

Fedora Tweaks | [GitHub](#)

- A Bash script that is designed to make the RHEL based Fedora Linux distribution, more usable and user friendly as quickly as possible.
- The script has been used hundreds of times, and was forked into a larger repository of Linux scripts.

SKILLS

Programming: Java, Python, Rust, C, C++, C#, Go, JavaScript, TypeScript, HTML, CSS, PHP, Shell, Swift, x86/MIPS/RISC-V Assembly

Technologies: Git, Arduino, Linux, Berkeley Software Distribution(s), Data Recovery

Developer Tools: Android Studio, Wireshark, Altera Quartus, NI LabVIEW, Git/GitHub, Apple XCode

Languages: English (Native), Spanish (Professional)

Frameworks: React, Fyne, Ollama, Metal, Node.js

ORGANIZATIONS

Institute of Electrical and Electronics Engineers (IEEE)

Student Member

May 2023 – Present

Georgia Tech Catholic Center (GTCC)

Student Homeless Ministry Volunteer

January 2024 – Present

REFERENCES

Travis Smith – Attorney at Law

Foster & Smith, LLC – Former Employer and Supervisor

TSmith@fostersmith.law

Dr. Christopher Raridan – Professor of Mathematics

Clayton State University – Former Faculty Supervisor and Research Advisor

ChristopherRaridan@clayton.edu

Jelinda Spotorno – Senior Lecturer of Mathematics

Clayton State University – Former Instructor of Record and Faculty Supervisor

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