Kenneth Alexander Jenkins

☎ +14703178338 | @ kajenkins100@gmail.com | ⌨ GitHub | ⊕ Portfolio | ⚲ Atlanta, Georgia

EDUCATION

Georgia Institute of Technology Atlanta, Georgia
B.S. in Computer Engineering; GPA: 4.00/4.00 *May 2022 − May 2026 (Expected)*
Concentrations: Cyber Security, & Systems/Architecture

New Creation Christian Academy McDonough, Georgia
High School Diploma; Cum Laude GPA: 3.95/4.00 *August 2018 − May 2022*

RESEARCH EXPERIENCE

Mathematics Research Projects
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*

Poster-Board 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*

WORK EXPERIENCE

Georgia Institute of Technology Atlanta, Georgia
Guest Services Manager *October 2023 − Present*
- Managed event setup logistics, ensuring efficient arrangement of furniture across various 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 Jonesboro, Georgia
Law Clerk & IT Supervisor *November 2021 − October 2023*
- 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.

Dance Contempra Peachtree City, Georgia

Customer & Technical Assistant *December 2011 – January 2023*

- Oversaw sales, front desk reception, and the processing payments.
- Managed computer infrastructure, along with sound and lighting during recitals.

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*

- An 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 Java and Shell.

Calculus Cruncher | *GitHub*

- Open Source web-app built on JavaScript designed for students studying Mathematics.
- Features key terms and definitions on animated flashcards.

Buzz_Off | *GitHub*

- A simple 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#, Go, JavaScript, HTML, CSS, PHP, Shell, x86 Assembly

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

Languages: English (Native), Spanish (Professional)

References

Travis Smith – Attorney at Law *TSmith@fostersmith.law*

Foster & Smith, LLC – Former Employer and Supervisor

Dr. Christopher Raridan – Professor of Mathematics *ChristopherRaridan@clayton.edu*

Clayton State University – Former Faculty Supervisor and Research Advisor

Jelinda Spotorno – Senior Lecturer of Mathematics *JelindaSpotorno@clayton.edu*

Clayton State University – Former Instructor of Record and Faculty Supervisor