

Dynamic Software Engineer with a proven track record at Hewlett Packard Enterprise, enhancing customer experiences and driving sustainability initiatives. Expert in full-stack development, utilizing Node.js, React.js, HTML, and JavaScript, with a keen ability for scripting and database management. Experienced in working in team-oriented software development projects and agile development methodologies. Passionate about developing innovative and efficient software solutions that meet customer needs.

Experience

FEB '23 – PRESENT

Software Engineer | Hewlett Packard Enterprise, Alpharetta, GA

- Successfully redesigned and implemented software solutions utilizing React.js, Node.js, JavaScript, HTML, CSS, MySQL, and Git with a primary focus on enhancing the overall customer experience to ensure internal and external customer success.
- Drove innovation within the infrastructure team by spearheading the design and creation of a modern automation system on the Ansible platform essential to business operations.
- Led sustainability efforts at the Alpharetta lab by implementing temperature sensors in racks and integrating with Liebert air handlers to monitor cooling efficiency. Employed Power BI for insightful analysis of sustainability metrics, driving informed decision-making and tangible improvements in lab cooling and energy utilization.
- Leveraged scripting for data extraction from diverse sources, including bus bar power data, to enhance tracking and analysis of sustainability initiatives. Utilized Power BI to generate comprehensive reports, resulting in reduced overall power consumption.

MAY '22 – FEB '23

Infrastructure Software Systems Intern | Hewlett Packard Enterprise, Alpharetta, GA

- Investigated and created an effective script-based automation platform incorporated into Ansible for vLabs infrastructure systems, successfully reducing the initialization time for top of rack network switches.
- Developed a web user interface utilizing HTML, PHP, JavaScript, and MySQL linked with the operation of the automation system.
- Demonstrated a proficiency in collaboration and teamwork by providing administrative assistance and training for the vLabs engineering staff regarding the use of the automation system.

AUG '20 – MAY '22

Software Developer | Freelance, Athens, GA

- Developed a vaccine design automation program with Dr. Ralph Tripp Laboratory at The University of Georgia, utilizing Java and Geneious Prime API.
- Designed and created a personal website with HTML, CSS, and JavaScript. Built and maintained a contact form and database with PHP and MySQL.
- Built a personalized search engine with interactive webpages and widgets using PHP, MySQL, HTML, CSS, JavaScript, and Git that supports user accounts, sessions, and history management.

MAR '22 – MAY '22

Software Developer Intern | Metropolis, Athens, GA

- Participated in daily standup meetings with the development team to discuss progress and future software solutions.
- Developed, tested, and deployed modifications to web applications utilizing skills in Dash, Python, HTML, CSS, and SQL.
- Built and maintained the full stack of an internal messaging system within the core website for clients.
- Collaborated with other developers to ensure code quality and functionality.

MAY '20 – AUG '21

Construction Engineer | Milligan Remodeling, Cumming, GA

- Utilized skills in construction to participate in site preparation and other various building processes.
- Communicated with site managers and team members to complete task objectives on a schedule.
- Consistently undertook additional responsibilities and worked extended hours to meet project deadlines.

JAN '17 – AUG '19

Audio Engineer | TJR Studios, Cumming, GA

- Oversaw all aspects of production from operating sound recording equipment to mastering and editing audio recordings using Pro Tools and Melodyne.
- Developed macros and scripts to aid in the automation of repetitive tasks while mixing audio tracks.
- Delivered final products on time while adhering to strict deadlines set by clients.

Education

DEC '22

Bachelor of Science (B.S.) in Computer Science

University of Georgia, Athens, GA, US **GPA 4.0**

Awards and Honors

First Honors Graduate

Presidential Scholar

Extracurricular Activities

Men's Club Ultimate Frisbee

Intramural Sports

Skills

Scripting Languages: HTML, CSS, JavaScript, PHP, Python, MySQL, Bash

Version Control

Ansible

Software Development Life Cycle (SDLC)

Project Documentation

Team Collaboration

Software Applications

Database Management

Cyber Security Protocols

Power BI

Volunteer Experience

AUG '19 – DEC '22

Small Group Leader | Athens Church, Athens, GA

- Encouraged and supported spiritual growth, outreach, prayer, and faith development.
- Established clear expectations for behavior in order to ensure a safe environment.