Andrew Augustine

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Education

Computer Science, Bachelor of Science
Florida State University; Earned May 2023 (3.633 GPA)

- *Minor:* Mathematics
- *Accolades:* Cum Laude. Recognized by professors for exceptional capstone project: "This is in the top 3 projects I've seen since 2019." – Chris Mills, Ph.D.
- *Relevant Coursework:* Software Engineering; Operating Systems & Concurrent Programming; Data Structures, Algorithms, and Generic Programming I, II; .NET Development with C#

Experience

Assistant Systems Administrator
Florida State Univ. Mathematics; Nov. 2019 – Current

The FSU Department of Mathematics houses over 40 professors, several of whom perform advanced research that include complex technical requirements. Helped create and implement solutions to assist these professors with their work. Also created and currently maintain a suite of in-house tools, written in Python, that automate the imaging, deployment, and management of the department's fleet of MacOS devices.

- Maintain tools and workflows developed to perform duties remotely during COVID-19.
- Oversee and enforce department's Git workflows.
- Administrate and manage on-site FreeBSD servers.
- Provide general technical support to employees, professors, and other staff members upon request.
- Onboard new coworkers, teach department workflows and the use of in-house tools.

Software Development Intern
Florida State Univ. Innovation Hub; Aug. 2018 – Dec. 2019

The Innovation Hub is FSU's primary makerspace, focused on giving students access to new and emerging technologies. Managed team of software development interns to maintain the Creator Connect project. Also worked as an informal consultant, answering questions pertaining to Computer Science.

- Acted as department's main Git instructor.
- Managed the front desk, instructing students, faculty, and visitors how to use the facility.
- Onboarded new coworkers, taught department workflows and the use of in-house tools.

Notable Projects

- Open-Source Software Development (Git, GitHub Issues/Actions/Kanban)
- Home Server Systems Administration (K8S, Synology, Docker, Nginx)
- Blog Writing and Administration (AWS EC2/S3, MariaDB, Cloudflare)
- High School/Collegiate Esports Administration (Founder & President, 2017 – 2020)

Accomplishments

- High Placements in FSU ACM Programming Competitions (3rd – Fall 2021, 6th – Spring 2019)
- Eagle Scout Award, BSA (2016)
- National Youth Leadership Training, BSA (Participant – 2013, Staff – 2015, 2016)

Soft Skills

- Agile Thinking – Adaptable, Efficient, Proactive, Collaborative, Customer Focused
- Public Speaking and Communication
- Customer Relationship Management
- Citizenship (Community) – 400 Service Hours
- Citizenship (Nation) – Travel to 20 states
- Citizenship (World) – Travel to 5 countries

Hard Skills

Programming Languages

Proficient: C, C++, Python, Bash, HTML, JS, CSS
Known: C#, Java, Typescript, Perl, PHP, x86, ARM64
Learning: Rust

Development/Productivity Tools

Visual Studio 2022, VS Code, WSL, Git, SSH, Apache, Nginx, IIS, Flask, PyTest, GitHub Actions, Docker, Kubernetes, Postman, Office 365

Operating Systems

Windows 10, MacOS, Linux (Ubuntu, FreeBSD)

Database Management

MySQL Server, MariaDB, SQLite, MongoDB 5.1

Cloud Services

AWS (S3, EC2, Cloudfront); DigitalOcean Droplets; Cloudflare (DNS, ZTNA); MongoDB Atlas