Timothy Yim

tyim2@emory.edu • 470-418-8725

EDUCATION

Emory University   **Atlanta, GA**
Master of Science: Computer Science, GPA: 3.85/4.0
Bachelor of Arts: Computer Science, May 2016, Alumni Scholarship
Relevant Coursework: Systems Programming, Databases

PROFESSIONAL EXPERIENCE

Northeastern University; Khoury College of Computer Science   **Boston, MA**
Ph.D. Student - Research Assistant   Fall 2024 - Present

Emory University; Math and Computer Science   **Atlanta, GA**
Operating Systems Analyst/Admin   October 2017 - July 2024

• Patching and upgrading Linux servers in the data center. Managing SLURM and setting up resource tracking on GPU servers. Deploying and maintaining hardware on servers.
• Patching, deploying, maintaining Ubuntu computer lab workstations.
• Computer management, with Jamf and SCCM, to deploy software, maintain updates and security on Windows and macOS systems.
• Supported macOS, Windows, and Linux machines in the department. Diagnosed and solved hardware and software problems on machines for faculty and staff. Performed OS and software updates on the machines. Tested and determined which technology and devices should be used by the department.
• Systems administration in areas regarding virtualization using KVM on RHEL 7, storage management such as RAID, firewall using iptables to manage traffic between VMs and the internet, and setting up servers for using virtualization.
• Software development for web projects, created web pages for various projects such as a video streaming, cable management, and other sites using PHP, HTML, and CSS for frontend/backend development, MySQL for the database and Apache. Also assisted in setting Apache proxy to connect VMs.
• Setup software on servers such as MacOS remote desktop using AquaConnect, and a fax server (incoming/outgoing) using hylafax for department use.

GIU International Christian Academy; IT Department   **Tema, Ghana**
IT Manager   August 2016 – September 2017

• Headed the IT department of GICA (GIU International Christian Academy).
• Setup computer lab equipment such as: new computers, server rack, and new routers and switches to connect everything to AD DS.
• Set up Active Directory Domain Server using Windows Server 2016.
• Set up imaging server using FOG (Free Open-source Ghost) project using Ubuntu.
• Used dnsmasq to allow computers to netboot from iPXE server for image capture.
• Coded easy to use program for adding bulk users to database and ADDS using C# and MySQL.

Emory University; TechLab   **Atlanta, GA**

Technology Specialist   January 2016 – August 2016

• Personal projects to make additions to the TechLab such as coding and building the PhotoBooth with RPi 3 and Python.
• Assisted students or staff of Emory University with viewing and printing 3D models using the TechLab 3D printers: Makerbot and Lulzbot.
• Assisted with setting up and maintaining computer labs across Emory's campus.

Emory University; Student Tech Support   **Atlanta, GA**
Student Tech   January 2015 – December 2015

• Assisted students with technology support such as: access to university Wi-Fi, hardware diagnostics, and software support for both Mac and PC.
• Experience in diagnosing problems related to MacBooks.
• Coded and maintain the one stop program called Hypo. Hypo was made using C#. Hypo helped all Student Techs to streamline their workflow in fixing computers by displaying numerous relevant computer information and easy access to the many tools we used to fix and diagnose problems with computers.

Emory University; Cox Computing Center   **Atlanta, GA**
Technology Consultant   May 2014 – December 2014

• Maintain the cleanliness and atmosphere of Cox Computing Center.
• Help and direct any questions regarding usage of the space and its classrooms.

ADDITIONAL INFORMATION

Skills: Java, Swift, Python, PHP, HTML, CSS, C#, C, .Net Application, Android App Coding, Windows Server 2016, Active Directory Domain Server, MySQL, Apache, Visual Studio, Software Development, Ubuntu/Linux, RHEL 7