

# Imtiaz Mahmud

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## Education:

B.A in Earth Science & Minor in Studio Art, **Lehman College**, City University of New York;  
Current GPA 3.865; expected graduation - 2028

## Work Experience:

**2026 – currently: Research Assistant, Department of Earth, Environmental and Geospatial Sciences, Lehman College.**

NASA. Grant# 21-IPMSI21-0012. "Surface-based Precipitation Measurement Network in the Bronx: Science and Education Opportunities for Diverse and Minority Students"

- Conducted precipitation data analysis for verification of the Global Precipitation Measurement (GPM) satellite data using statistical methods with Python & Amazon AWS CLI.
- Data download and organization
- Poster preparation for American Geophysical Union (AGU) meeting in December, 2026

**2025 – 2026: Film Archivist, Lehman College, Department of Arts**

- Handling old film and darkroom print of historical Lehman picture and digitizing them.
- Categorizing pictures and tagging for easy future access.

**2024 – 2025: Lifeguard, Lehman College swimming pool**

- Ensuring the safety of all swimmer, while enforcing the campus policy.
- Quick emergency response during training and real life events, AED, CPR and Teamworks.

## IT Related Projects:

**Tor Relay:** Operate and maintain a non-exit [Tor Project](#) Guard and middle relay on a Linux based Raspberry Pi server to support internet privacy and censorship resistance. I also manage system security, firewall configuration, monitoring, and automated updates for long-term reliability.

**Boinc:** Run a [Boinc](#) with [Einstein@Home](#), to help scientists find Neutron star also known as pulsars by doing calculation on my Raspberry Pi server running TOR.

**Nginx Server:** Built and maintain a personal Nginx web server on a Raspberry Pi to host personal websites and self-hosted services (Including this Resume). I manage Linux server configuration, networking, remote SSH access, and basic web infrastructure.

**Pi-Hole:** Run a network-wide [Pi-Hole](#) or DNS Black-Hole, DNS filtering server with Unbound for private recursive DNS resolution. I manage local network services, DNS configuration, and Linux-based infrastructure on Raspberry Pi hardware.

## Technical and Software Skills:

**Software:** QGIS, PySWMM, GeoPandas & ArcGIS Pro Suite, Python (Pandas, Matplotlib), Linux (Debian, Fedora & Arch), Raspberry Pi Web: HTML, CSS, Nginx & Debian Linux Server.

**Creative:** Darkroom (Film and Print), Adobe Lightroom, Affinity Suite, Video Editing (Davinci Resolve & Final Cut Pro).