

Angeli Mittal

linkedin.com/in/amittal27
github.com/amittal27
amittal@u.northwestern.edu
(773) 698-0344

EDUCATION

2020 – 2024

Evanston, Illinois

2016 – 2020

Alexandria, Virginia

Northwestern University

M.S. Computer Science & B.A. Neuroscience

Thomas Jefferson High School for Science and Technology

Adv. Microprocessor Systems

Analog and Digital Electronics

Artificial Intelligence

RESEARCH POSITIONS

Lurie Children's Hospital

2021 – present

Biomedical Researcher

Machine Learning on Facial Feature Analysis: Diagnostic Screening for Congenital Central Hypoventilation Syndrome. Our objective is to build a screening tool that automates analyses of children's photos for likelihood of CCHS using machine learning (ML) techniques to consequently advocate for genetic testing.

Loyola University

Summer 2019

Oncology Research Intern

Researched pathway of cell death (apoptosis or necroptosis) more likely to induce bone marrow failure in mice (and extrapolate to myelodysplastic syndrome in humans); cultured cells, performed **polymerase chain reaction** and **agarose gel electrophoresis**, and examined bone marrow in dissected mice after Poly I:C injections; learned scientific journal analysis and presented a **Blood** article.

GoVRnment

April 2019

HackTJ 6.0

Developer

Used **Unity**, **C#**, and **Fungus** to create a virtual reality simulation of the legislative process (write-up can be found [here](#)); includes an **Android app** (using **Java** and **XML**) that auto-generates an email of a controversial issue to be sent to the user's local Congressperson (using the **Phone2Action API**); awarded the **Phone2Action Civic Technology, Politics, and Digital Advocacy Prize** for creating technology that increases civic engagement and awareness in politics.

PROFESSIONAL EXPERIENCE

Hines Veterans Hospital

2018 – present

Volunteer

Taught veterans to use the online health care system (MyHealtheVet), assisted doctors in gathering patient vitals in the Neurology department, created pregnancy info guides for Women's Health Clinic, and **prepared blood samples for diabetes and cholesterol research**; took patient calls, replenished supplies (gowns and gloves), and provided water for patients in the inpatient care unit.

Yext

Summer 2020

Software Engineering Intern

Worked on quality reassurance fixes on location and locator pages for clients using **Closure Templates**, **JavaScript**, **CSS/SCSS**, and **Git**; researched conditionally loading polyfills and transpiling JavaScript only to older browsers to increase parsing times for ES6-supported browsers.

EXTRACURRICULAR ACTIVITIES

The Daily Northwestern

2020 – present

Creative Director

Previously Assistant City Editor, Design Editor, Photo Editor. Write for the campus and city desks, reporting on topics such as COVID-19, student life, and Evanston events. Designed graphics and illustrations for the newspaper, Orientation Issue, and the former magazine, The Monthly.

Sample [published articles](#) and photo essays:

- [Updated city, state COVID-19 guidelines in light of omicron subvariant prevalence](#)
- [Two years later: Northwestern's COVID-19 story, as told by testing data](#)
- [The Daily Explains: Upgrading your masks and maximizing effectiveness](#)
- [The Daily Explains: Interpreting COVID-19 test results at Northwestern](#)
- [Lasagna Love Mamas and Papas address food insecurity, deliver home-cooked meals](#)
- [The Daily's COVID-19 vaccination guide](#)

Northwestern

Emergency Medical Organization

2021 – present

Licensed NREMT

In the process of state certification. Training to respond to calls for emergency medical assistance and to provide appropriate critical care. Shadowed at Northwestern Memorial Hospital and Lurie Children's Hospital Emergency Departments.

OM: Northwestern

Hindu Association

2021 – present

Treasurer

Manages funding for Hindu community events. Organized the first University-backed Diwali event in 2021. Hosted 2020 Classical Arts Showcase.

SKILLS

Programming / Misc.

Python, Java, Sklearn, FastAI, Matplotlib, NLTK, C++, RobotC, Git, Bash, Batch, Linux, HTML5, CSS3, SCSS, JavaScript, Racket

Design

Adobe Creative Cloud (InDesign, Premiere Pro, Photoshop, Illustrator, Draw, Sketch), Figma, OnShape, LTSpice, SolidWorks

Leadership

Teaching and mentorship capabilities, flexibility, time management, organization, collaboration, self-motivation