

Len Washington III

EDUCATION

Illinois Institute of Technology, Chicago, IL, 60616

Expected Graduation Date: May 2026

M.A.S, Artificial Intelligence

B.S, Artificial Intelligence (minor: Energy/Environment/Economics)

Relevant Courses Data Mining, Database Organization, Advanced AI, Machine Learning, AI Language Understanding, Computer Vision, Software Engineering, Data Preparation and Analysis

Dean's List Fall 2023, Spring 2024, Fall 2024

WORK EXPERIENCE

SULI Intern → Research Aide

May 2024 – Present
Argonne National Laboratory

- Refactored the original EXSCLAIM and UI codebase to work with more recent versions of Python.
- Implemented a new API to allow users around the world to interface with our module.
- Developed Docker images for all parts of the module to improve accessibility to users who want to run the module locally.
- Wrote an AIP-styled manuscript detailing the changes and results from my work.

Youth District Advisory Council Member

June 2023 – August 2023
Chicago Police Department

- Led discussions on ways to better connect with the community to improve police relations.
- Contributed to the community by helping improve the neighborhoods that we live and operate in by managing toy drives for youth and community clean ups.
- Developed and revitalized CPD's Police Athletics and Arts League (P.A.A.L) to better spark interest with younger members of the community.

PROJECTS

IBM Remote Telescope Commission
Interprofessional Project (IPRO 497)

September 2023 – May 2024
Illinois Institute of Technology

- Translated the legacy imaging software from Swift to Java.
- Implemented a REST API using Java and Jakarta allowing users to connect to the service using HTTP.
- Constructed a gyroscope using an Arduino Uno to limit the telescope's range of movements to prevent it from crashing.

RLBot
Personal Project

April 2022 – May 2023

- Developed a Discord bot integration to display rankings and skill distributions.
- Utilized Python and Playwright to scrape user data to be graphed using Matplotlib and posted to Illinois Tech's Esports Discord server.
- Achieved a significant increase in match performance after RLBot was deployed.

WCS Banking (Mock Banking Website)
Database Organization (CS 425)

September 2022 – December 2022
Illinois Institute of Technology

- Developed a banking application with a full PostgreSQL backend.
- Allowed users to create accounts and deposit, withdrawal or transfer funds between accounts, including a custom 2-Factor Authentication to secure user login.
- Learned how to generate webpages with PHP and maintain a LAMP server.

LEADERSHIP EXPERIENCE

Illinois Tech Esports – Rocket League Team Captain → Game Lead

September 2022 – August 2024

- Coordinated collegiate matches between our team with other colleges.
- Implemented weekly training regiments for our team which resulted in an increase in matches from 0–5 to a current 3–3.
- Coordinate review sessions to review past games to improve future coordination.


HONORS AND AWARDS


M^cCarthy–Murzyn Award – Chicago Public Schools City Wide Mathematics League 2017–2018 Individual Award Algebra 1 Division B/C 2nd Place


LINKS

 <https://www.linkedin.com/in/len-washington-iii>

 <https://github.com/lwashington3>

 <https://orcid.org/0009-0004-0165-6316>

 l.washingtoniii.27@gmail.com

 <https://lenwashingtoniii.com>

SKILLS

Languages

Python
Java
C#
PHP
C/C++
Javascript
R

Technologies

HTML/CSS
L^AT_EX
Git
Docker
Markdown/RMarkdown
Apache
ArcGIS

Frameworks

Pandas
Numpy
Matplotlib
Tensorflow
Scikit-Learn
Playwright
PyTorch
React

Database Management

PostgreSQL
MySQL

INTERESTS

Artificial Intelligence
Networking
Information Technology
Data Science/Analytics
Sustainable Energy