

EDMUND GUNN, JR.

515 E 53rd Court Merrillville, IN 46410 | edmundgunnjr@gmail.com | 219.805.3048

EDUCATION	New York University - Brooklyn, NY	December 2025
	Masters of Science	Computer Engineering Major
	Tandon School of Engineering	CGPA 4.0/4.0
	Purdue University - West Lafayette, IN	December 2021
	Bachelor of Science	Computer Information Technology (CIT) Major
	Polytechnic Institute	CGPA 3.71/4.0
	New York University - Brooklyn, NY	July 2023
	Computer Science Bridge	Preparatory Course For Graduate Studies in Computing
	Tandon School of Engineering	Completed with Distinction

DESIGNATIONS	Lean Six Sigma Green Belt	December 2021
	Purdue Dean's List	May 2019-December 2021
	Purdue Black Caucus Academic Award	April 2019-December 2021
	Purdue Semester Honors	December 2018-December 2021
	Eagle Scout	March 2018

RELEVANT EXPERIENCE	• C++	• Linux
	• UML	• Figma
	• System Verilog	• Draw.io
	• Forescout	• Cloud Fundamentals
	• Palo Alto Panorama Cloud Firewall Access	• Network Security Architecture
	• Machine Learning Fundamentals	• Agile Methodologies
	• Cisco ASA Firewall Access	• Canva
	• Lean Six-Sigma Green Belt	• SQL
	• Java	• Swift
	• Python	• DataPower Gateway
	• Kotlin	• ServiceNow
	• Zscaler Internet Access	• F5/Shape Bot manager
	• Proofpoint	• Microsoft Azure DevOps Boards

WORK EXPERIENCE

INFRASTRUCTURE AND NETWORK SECURITY ENGINEER - HUMANA

WINTER 2021 - PRESENT

- Track work in Microsoft Azure DevOps Boards and give updates in Agile ceremonies
- Maintain, update, and create active directory and API access in DataPower Gateway
- Maintain, update, and create email firewall rules in Proofpoint
- Manage F5/Shape bot mitigation scripts for critical Humana sites with technical account manager
- Process decommission tickets for unused network devices in Forescout
- Aid in restoration on outage calls using log monitoring techniques in Splunk
- Scripted firewall changes to allow connectivity to Humana Network in Palo Alto Panorama and Cisco ASA
- Utilized Zscaler to maintain, create, and update internet browsing access
- Peer Review network changes to ensure proper changes and prevent outages
- Troubleshoot access request

NETWORK SECURITY INTERN - HUMANA

FALL 2020 - WINTER 2021

- Aided in the Transition from ServiceDesk to ServiceNow
- Learned fundamentals of Network Security
- Scripted firewall changes to allow connectivity to Humana Network
- Utilized Zscaler and Rancid to complete firewall changes

DATA SCIENCE INTERN - HUMANA

SUMMER 2021

- Learned fundamentals of Machine Learning, Data Science, and Data Analytics
- Revamped PowerApps to reduce communication during Quarterly Refresh
- Utilized SharePoint and MS suite to add advanced requirements to PowerApps Application

MOBILE DEVELOPMENT INTERN - HUMANA

SUMMER 2020

- Implemented Uber and Lyft to MyHumana Android
- Learned fundamentals of Kotlin, Sketch, and Android Studios
- Revamped filtering and searching within Provider Finder
- Utilized POST request to receive provider data
- Created designs for implementations and activity flows

IT & GIS INTERN - GARY SANITARY DISTRICT

SUMMER 2019

- Fulfilled data request by creating maps using ArcGis software
- Learned fundamentals of Java, Python, JavaScript, and Swift
- Developed GIS app using Java
- Repaired, acquired, and replaced hardware
- Configured network switches
- Developed Mobile GIS app using Swift

**UNIVERSITY
PROJECTS**

**RELATIONAL DATABASE SYSTEM - DATABASE FUNDAMENTALS
FALL 2019**

Analyzed a case study on Custom Engineering Solutions (CES), then collaboratively created a Relational Database System in Oracle SQL Developer, populated the database, and ran query statements on the database. Using DDL, DML, DCL, and SQL.

**RASPBERRY PI SECURITY CAMERA - INFO TECHNOLOGY ARCHITECTURES
FALL 2018**

Individually transformed a small computer called Raspberry Pi into security camera with servers viewable on any device on the same network as the computer using basic Python.

**VOLUNTEER
EXPERIENCE**

**TUTORING - SAINT TIMOTHY COMMUNITY CHURCH
FALL 2023 - PRESENT**

Tutored 3 high schoolers in Algebra 2, Algebra 3, and career prep. Made high schoolers aware of the myriad options after high school and how to pursue next steps.

**SWIM COACH - MERRILLVILLE HIGH SCHOOL
FALL 2022 - PRESENT**

Worked with swimmers to improve their starts, turns, and stroke technique. Mentored 25 high schoolers to understand the keys to personal growth and confidence. This is instrumental for them inside and outside of the pool. Mentored our 5 seniors to be aware of the myriad options after High School and how to pursue next steps.

**TECH INTERN CHAMPION - HUMANA
SUMMER 2022- PRESENT**

Worked with intern to improve their collaborative, professional, and interpersonal skills. Mentored 31 interns to understand the keys to personal growth and confidence. This is instrumental for them inside and outside of the workplace. Mentored our overall 90 technology interns in providing a blue print to continue generating camaraderie as the social committee is for interns by interns. Mentored on-campus students to leverage their intern status to recruit as the school year started.

**SOCIAL COMMITTEE - HUMANA
SUMMER 2020-2021**

Generated in person tier camaraderie in virtual setting utilizing group lunches, after work games, and welcoming group chats.

SOCIAL MEDIA

Linkedin

<https://www.linkedin.com/in/edmund-gunn-jr/>

GitHub

<https://github.com/gunnchOS3k>