

Edwin Zamudio

Software Engineer

815-793-6917 zamudio.e13@gmail.com edwin.computer github.com/notedwin linkedin.com/in/edwin-zamudio

Education

Illinois Institute of Technology

Bachelor's of Science in Computer Science

Expected May 2022

- Related Courses: Systems Programming, Database Management, Data Structures, Algorithms, Computer Networks, Information Security, Ethical Hacking, Data Mining

Experience

Software Developer

Chicago, IL

Idea Shop: Illinois Tech's Prototyping Shop

January 2020 - Present

- Developed a reservation system application to allow safe usage of the maker space during the COVID-19 pandemic by removing 80% of the face to face interactions.
- Rewrote check-in kiosk web application using React and Flask creating a smoother user experience by reducing the response time from (5 seconds to 1 second) effectively making the applications 5 times faster.
- Managed and monitored multiple Linux servers achieved great stability (<1 crashes per week) on our 5 applications.
- **Technologies: Python, MariaDB, JavaScript, Flask, Linux, React**

Software Engineer

Chicago, IL

HaxML: Virtual Soccer Analytics Platform

December 2020 - February 2021

- Developed and deployed machine learning models to predict expected goals for the online soccer game, HaxBall.
- Designed and implemented methods to efficiently extract defender positioning, ball speed, and shot angles, from a dataset of 400,000+ kicks and 30 million player position data points.
- Improved model by doubling precision from 36.4% to 75.7% and recall from 1.5% to 17.2% (more than 10x).
- **Technologies: Python, SciKit-Learn, Pandas, Matplotlib**

IT Technician

Chicago, IL

Illinois Institute of Technology

October 2018 - January 2020

- Closed 90% of customer inquiries on the first call without escalation and received positive feedback from clients and management.
- Reduced complaints of printers not working by 50% by closely monitoring the condition of printer and supplies thus eliminating the need for people to call to someone to check the condition of the printer.

Projects

Raspberry Pi 4B Server

March 2020 - Present

- Created a CI/CD pipeline using **Jenkins** to remove manual deployment saving ~15 minutes for every deployment.

Restaurant Web Application (restaurant.edwin.computer)

September 2020 - Present

- Developed a **Python Flask** web application allowing customers for a mock company to create accounts, track and create orders with payment authorization using **Stripe API**.

Cyberattack Map (map.edwin.computer)

December 2020 - Present

- Developed a **Node.js** application to geolocate and report 1000+ daily brute force SSH attacks on my **Linux** server.

Extracurriculars

- Association of Computing Machinery (ACM) member - Won 2nd place at PayPal Hackathon for FinU, a financial literacy application for college students.
- Pi Kappa Phi Philanthropy chair - Led 200% increase in fundraising and volunteering for IIT chapter, later received national recognition for most improved philanthropy for the IIT PKP chapter.
- Exelon Summer Institute Teacher - Led in teaching computer science fundamentals to 50 incoming freshmen.

Skills

Programming Languages

Python, JavaScript, Java, C/C++, SQL, BASH, Haskell

Libraries

Flask, Node.js, Pandas, Scikit-Learn, Django, React, Jekyll

Tools

Nginx, Jenkins, git, Docker, Linux

Formal Languages

Bilingual in English and Spanish

Hobbies

Soccer, Cooking, Biking, Music