Edwin Zamudio

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Education

Illinois Institute of Technology   **GPA: 3.15/4.00**
Bachelor's of Science in Computer Science   Expected December 2021
- Related Courses: Systems Programming, Database Management, Data Structures, Algorithms, Computer Networks, Information Security, Ethical Hacking, Data Mining
- Extracurriculars: Herald and Greer Scholarship Recipient, Association of Computing Machinery

Experience

Software Engineer   Chicago, IL
HaxML: Virtual Soccer Analytics Platform   December 2020 - January 2021
- Developed and deployed machine learning models to predict expected goals for 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 precision from 36.4% to 75.7% (doubled) and recall from 1.5% to 17.2% (more than 10x).
- **Technologies: Python, SciKit-Learn, Pandas, Matplotlib**

Software Developer   Chicago, IL
Idea Shop: Illinois Tech's Prototyping Shop   January 2020 - Present
- Developed and deployed a Python Flask web application to remove unnecessary face to face interactions such as reservation of workspaces within the Idea Shop during COVID-19 pandemic for 7,000+ students.
- Understood multiple codebases (approx. 5,000 lines each) in Python and JavaScript and multiple servers running 10 different services.
- **Technologies: Python, MariaDB, JavaScript, Flask, Linux**

IT Technician   Chicago, IL
Illinois Institute of Technology   October 2018 - January 2020
- Closed an average of 7 customer support tickets per day in a fast-paced environment and received positive feedback from internal clients.
- Volunteered technical skills to aid organizations events at least 3 times a month resulting in less spending on events.
- **Technologies: Computer Networking, Ticketing System, Enterprise Software**

Projects

Restaurant Web Application(*restaurant.edwin.computer*)   September 2020 - Present
- Developed and deployed a **Python Flask** web application with user authentication and payment authorization using Stripe API.

Raspberry Pi 4B Server   March 2020 - Present
- Automated deployment of my website and Restaurant application by automating deployment using **Jenkins** and **bash scripting** to remove manual interactions and saving me ~15 minutes for every deployment.

Cyber Attack Map   December 2020 - Present
- Developed an **Python** application to geolocate SSH attackers on my **Linux** Server allowing me to automatically report suspicious IP addresses.

Skills

Programmed Over 2000 Lines	Python, Java, C/C++, VIM
Programmed Over 500 lines	JavaScript, SQL, BASH, Haskell, HTML/CSS
Frameworks and Tools	Flask, Nginx, Jenkins, Pandas, Scikit-Learn, Git, Linux, Django, React, Figma
Formal Languages	Bilingual in English and Spanish
Hobbies	Soccer, Cooking, Biking, Tetris