Luis Rosales

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OBJECTIVE

To obtain a software developer position within a company that values resourceful developers and will use my skills to enhance data analysis, data display and a better understanding of human-computer interaction. I wish to work with a diverse team that works towards a positive impact by contributing to the company's vision and goals.

EDUCATION

Northeastern Illinois University, Chicago IL   **Graduation July 2022**
B.S. Computer Science Information Technology
- **GPA: 3.75; Dean's List (3 semesters)**

Northwestern University, Chicago IL   **May 2018**
Full Stack Coding Boot Camp Certificate

SKILLS

- **Programming Languages:** Java, Python, JavaScript, MySQL, SQL, HTML, Cascading Style Sheets CSS.
- **Other Skills:** Git, GitHub, Agile, Docker Kubernetes, Pandas, HTTP methods CRUD, Node.js

EXPERIENCE: ACADEMIC

Research at Transportation Security Administration (TSA) – Springfield, VA   **December 2021-March 2022**
- **Stratified Random Sampling and Optimization (JavaScript):** Created a user interface to upload essential data files to implement optimization components of prioritization and sampling tools.
   - Cleaned, preprocessed, and analyzed datasets with JavaScript Aggregate Array Methods.
   - Successfully implemented stratified sampling tools in JS to avoid spreadsheets version conflicts.
   - Three Data Visualizations Options presented from the data-driven analysis.
   - Link to mentor's LOR.

Research at Northeastern Illinois University – Chicago, IL   **June 2021-December 2021**
- **Course Recommender System (Python):** Participated as a part of a team that developed an automated course recommender system for new CS students to select courses for the following semester.
   - Link to Research Publication.

Research at Northeastern Illinois University – Chicago, IL   **June 2020-May 2021**
- **Cyberbullying detection (Python):** Collaborated with multiple teams using machine learning methods to curate data and detect cyberbullying in text and image memes.
   - Link to Research Publication (Acknowledged contribution).

Java Peer Leader   **September 2020-December 2021**
- Hold workshops for students to reinforce core Java Programming concepts for courses level one and two.

Computer Science Tutor and Data Structures Course HW Grader   **May 2021-December 2021**
- Developed different strategies for students to review lecture materials and encourage their problem-solving.

Web Development Peer Leader   **September 2021-December 2021**
- Hold workshops for students enrolled at NEIU Teacher CS certification program.

Java – Spring / Spring Boot / JDBC / JPA / Server-Side Application   **September 2020-December 2020**
- Link to application hosted by Heroku.

LEADERSHIP DEVELOPMENT

Google Developer Student Clubs   **August 2021-Present**
Software Lead-Team Officer
- Promoted Google Cloud Learning and other professional certifications to increase the competitive advantage of NEIU CS students beyond graduation.