

LUIS ROSALES

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Software Developer with a diverse industry background and a strong passion for problem solving. Team player with experience in all stages of software development.

EXPERIENCE

MAY 2019 – PRESENT

STUDENT RESEARCHER USING PYTHON, NORTHEASTERN UNIVERSITY SCSE

Currently collaborating in developing an automated course enrollment recommender system with SGD. Also, developed a machine learning algorithm to identify mislabeled data in a cyberbullying YouTube dataset. Naïve Bayes and SVM.

AUGUST 2020 – PRESENT

COMPUTER SCIENCE TUTOR

PEER LEADER FOR PROGRAMMING I AND II JAVA, PYTHON

NORTHEASTERN UNIVERSITY DEPARTMENT OF COMPUTER SCIENCE

Facilitate workshop sessions leading students to engage in the analysis and resolution of problems relevant to what was covered in their regular classes. Reinforce standard programming concepts.

AUGUST 2020 – PRESENT

PEER LEADER IN COMPUTER SCIENCE

WAUKEGAN PUBLIC SCHOOL DISTRICT K-12 TEACHERS

Facilitate workshop sessions leading students to analyze and resolve problems relevant to what was covered in their regular classes. Reinforce standard concepts teachers can use in their own classrooms.

AUGUST 2021 – 1 MONTH

GOOGLE CSSI, TA

The responsibilities are helping Computer Science faculty mentor with leading Google sponsored workshops. As TA, I will assist workshops that consist of p5.js, HTML/CSS, JavaScript, and Google App Engine to help prepare students for their first year of college in Computer Science at Northeastern Illinois University.

JANUARY 2011 – DECEMBER 2017

UNDERWRITER MORTGAGE BROKER ANALYST, AMERICAN FINANCIAL GROUP

Measured risk and originated mortgage loans with the highest standards of personal data integrity and security. Emphasized on fiduciary duties to my clients and preferred lenders.

EDUCATION

AUGUST 2019 – EXPECTED GRADUATION SPRING 2022

BACHELOR OF SCIENCE IN COMPUTER SCIENCE IT, NORTHEASTERN UNIVERSITY

Successfully completed programming I, II, Data Structures, Spring Boot, Intro to Design of Algorithms (Java & Python) among many other CS related courses. Current GPA 3.6.

MAY 2018

FULL STACK CODING BOOT CAMP, NORTHWESTERN UNIVERSITY

Participated in Intensive six-month program that covered both the theory and application of full stack web development. The curriculum followed the **MERN** stack, and students gain experience necessary to work both individually and as part of a team. Projects were presented formally with live demonstrations.

CURRENTLY PURSUING

SECURITY + CERTIFICATION, COMPTIA

SKILLS

- Java, Python, and JavaScript experience
- HTML5, CSS3, jQuery, Bootstrap
- Express.js, Node.js
- MongoDB, Mongoose, MySQL, Sequelize
- Database ORMs for server communication
- Use of HTTP methods for CRUD
- MVC design pattern
- Test Driven Development in JS, Java
- Computational Biology Python
- Classification data analysis Python

COLLOQUIA

Poster presentations for SACNAS and NEIU Symposium

- A Machine Learning Algorithmic Approach to Identifying Mislabeled Data in a Cyberbullying YouTube Dataset, Luis Rosales, Akshit Gupta, Chris Gomez, Rachel E. Trana, Marcelo O. Sztainberg. 12th Annual SCSE Student Research Symposium, Chicago, IL October 16, 2020.
- An Algorithmic Approach to Improving and Reannotating a Cyberbullying YouTube Dataset. Luis Rosales, Akshit Gupta, Rachel Trana and Marcelo O. Sztainberg. 2020 SACNAS The National Diversity in STEM Conference (Virtual), October 19 - October 23, 2020.
- Examining the Effects of Strong vs Weak Data on Relabeling a Cyberbullying YouTube Dataset, Akshit Gupta, Luis Rosales, Chris Gomez, Marcelo O. Sztainberg, Rachel E. Trana. 12th Annual SCSE Student Research Symposium, Chicago, IL October 16, 2020.