

# LUIS ROSALES

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• [www.linkedin.com/in/luisrosales1239](https://www.linkedin.com/in/luisrosales1239) •  • [guama1239.github.io/portfolio/](https://guama1239.github.io/portfolio/) • 

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

NOVEMBER 2021 – MARCH 2022

### TRANSPORTATION SECURITY ADMINISTRATION TSA - INTERN

Inspection | Analysis, Project Design section and Logistics Division.

MAY 2020 – DECEMBER 2021

### STUDENT RESEARCHER USING PYTHON, NORTHEASTERN UNIVERSITY SCSE

Collaborated 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 – DEC 2021

### 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 2021 – DEC 2021

### DATA STRUCTURES CS-304, HW Grader

AUGUST 2020 – DEC 2021

### 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 assisted workshops that consist of p5.js, HTML/CSS, JavaScript. Help prepare students for their first year of college in Computer Science at Northeastern Illinois University.

## EDUCATION

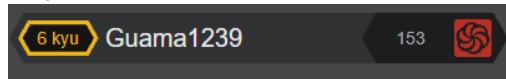
**SENIOR - EXPECTED GRADUATION SPRING 2022**

**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 3.73

**CODEWARRIOR PROFILE BADGES,**

<https://www.codewars.com/users/Guama1239>



**NOV 2017 - 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.

## 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

**2021 Research Paper** <https://www.scitepress.org/PublicationsDetail.aspx?ID=brHmQtKpLFk=&t=1>



**2020 Research Paper Acknowledgements** <https://link.springer.com/article/10.1007/s42380-021-00114-6#Ack1>



## COLLOQUIA

Poster presentations for SACNAS and NEIU Symposium

- A Machine Learning-based Course Enrollment Recommender System 2021 SACNAS The National Diversity in STEM Conference (Virtual), October 19 - October 23, 2021.
- 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.
- 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.