LUIS **ROSALES**

Lfrosales7@neiu.edu
guama1239@gmail.com
· www.linkedin.com/in/luisrosales1239 · 🔗 · 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 UNIVESITY 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.
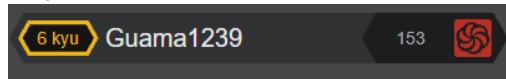
EDUCATION

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 Summer Research Paper

https://www.scitepress.org/PublicationsDetail.aspx?ID=brHmQtKpLFk=&t=1

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.