Roxana Angélica HERRERA MERINO

roxy.hm98@gmail.com   +52 55 7613 - 5541   github.com/roxhm

EDUCATION

Escuela Superior de Cómputo – Instituto Politécnico Nacional   Graduating in December 2024
Bachelor of Computer Systems Engineering

MAJOR PROJECTS

Basic operations calculator on discrete signals   2021
A command line program to compute unary and binary discrete signal operations which can be printed on a pdf file.
- Designed and developed in C/C++ programming languages.
- Connected with gnuplot program to output graphic representations.

SGANI   2021
Web system to aid in the logistics for integrating incoming students into ESCOM University.
- Worked on front-end development using HTML, CSS and Javascript.

Pingo   2020
Implementation from scratch of a command line utility called "pingo" which has similar functionality to the "ping" command.
- Designed and developed in C programming language, using raw sockets on a linux platform;
- The development managed queries and responses from ARP, IP and ICMP network protocols.

SKILLS

PROGRAMMING LANGUAGES

4 years: C
1.5 years: C++; mainly for competitive programming
6 months: Java, SQL

PLATFORMS

Windows (user): XP/7/10
GNU/Linux (user): Manjaro/Kubuntu/ Ubuntu

TECHNOLOGIES

GNS3, Microsoft Azure, Git, Vim, HTML, CSS.

AWARDS AND LEADERSHIP
- Participation in the XIII Annual Donald Knuth programming contest, 2021.
- Participation in the Argentina Virtual Training Camp for competitive programming, 2021.
- 2nd place at the Girls Challenge hosted by the Algorithm Club from ESCOM – IPN, 2020.
- Participation in the 1st winter of training camp in competitive programming at ESCOM – IPN, 2020.
- Participation in the 4th summer of training camp in competitive programming at ESCOM – IPN, 2019.
- Participant of the Grant Prize of Mexico (ACM – ICPC) in 2019 with the team #include<witech> in place 119 out of 316 teams.