

Jose David Portilla Martinez

97.david.pm@gmail.com
j davidpm

+52 1 55 75005540

EDUCATION

Instituto Politécnico Nacional, ESCOM
Ingeniero en Sistemas Computacionales
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84/100

MAJOR SCHOOL PROJECTS

- Fall 2018 Subnetting Calculator: Desktop Application. Developed by me and a classmate. Responsible for designing and implementing in Python the technique to divide networks given an IP and either the number of host or the number of subnets the user wants. Also given the IP, the application will show its specified information, such as: how many hosts that IP could contain or into how many subnets that IP could be divided.
- Fall 2017 Complex Calculator: Desktop Application. Developed in Python to ease basic operation with complex numbers such multiplication, division and root square (this function allows the users to not only choose the root square, if not, another of their choice) which could be plotted, useful for the class it was implemented for.
- Spring 2015 Electronics Store Administration. Developed in C so the administrator in the small electronics store could keep track of all the sales he had made and show the ticket of each sale (the printing of the ticket wasn't implemented). Other users could use to check the tracking of the sales and show the ticket, but no delete them.
- Spring 2014 Manual Management: Desktop Application. Designed to offer effortlessness when updating manuals for the recently hire employees in the SHCP, these manuals can be sent by email, printed, updated, and deleted depending of the user. It also kept a database, so these updates could be analyzed for anomalies. Developed by a team of 3 in C#.

TECHNICAL SKILLS

Programming Languages:

Python 3	Intermediate
C/C++/C#	Intermediate
Java	Basic
Ruby	Basic
SQL	Basic

Platforms: Windows 10 (user), Linux (user)
RDBMS: SQL Server (Basic), MySQL (Basic)

AWARDS AND LEADERSHIP

ACM Programming Contest, Fall 2017
ACM Programming Contest, Spring 2018
Recipient of Excellence Scholarship for academic merit, 2016