Cel.: +1 (786) 768.3938   Chicago, IL   marianelacrissman.com
marianela.min@gmail.com   United States of America   linkedin.com/in/marianela3101

MARIANELA (MENDOZA) CRISSMAN

SOFTWARE ENGINEER

EDUCATION

NORTHEASTERN ILLINOIS UNIVERSITY Chicago, USA.   2018 – 2020
  MS. Computer Science, GPA: 4.0/4.

UNIVERSITY OF ULSTER Jordanstown, Northern Ireland.   2010 – 2011
  International exchange student. Completion of thesis. Score: 84/100.

UNIVERSIDAD SIMÓN BOLÍVAR Miranda, Venezuela.   2006 – 2012
  BS. Electronic Engineering, major GPA: 4.41/5. Graduated Cum-Laude with honors.

TECH SKILLS

Programming languages: Java (2yrs), Python (2yrs), C++ (1yr), SQL (1yr), PHP(7mo), Mongo(4mo)
Web-App technologies: HTML (4yrs), CSS (3yrs), JavaScript (2yr), Angular2 (1yr), Bootstrap (1yr)
Relevant coursework: Data Structures (2018); Algorithms (2018); Object Oriented Programing (2019)

RECENT PROJECTS

- Collaborating with *Code for Venezuela* in the development of multi label classifier ML models that extract information (from twitter) and predict the current state of the public services in Venezuela. Technologies: Python, Scikit-learn, TensorFlow, Data Studio. *(in progress)*

- Designed and developed a web application for the CS Department at NEIU, the purpose is to manage 300+ students and help with the advising process; by using Angular, NodeJS, MySQL, Google REST APIs. *(May 2020)*

- (class project) Design and Developed a SPA to encourage the NEIU community to be better citizens and more healthy human beings. Technologies: Angular, Node and MongoDB. *(May 2019)*

- Designed and developed a full stack web application for +700 users, allowing registration, retrieval and update of information, by using HTML, CSS, Javascript, PHP and MySQL. *(Sep 2018)*

- Assembled, powered and programmed a prototype for a remote control car using an Arduino UNO board, an ESP32 kit for wireless connection and an Android device with bluetooth. *(May 2018)*

- Designed and developed websites for +5 small different businesses, using a combination of HTML, CSS, bootstrap, JavaScript, PHP, Python, SQL and Wordpress. *(Apr 2017-present).*

WORK EXPERIENCE

CS and Math Tutor / Peer Leader Programming I and II / ACM Chapter Member   Aug 2018 – Dec 2019
NORTHEASTERN ILLINOIS UNIVERSITY Chicago, USA.

- Helped (+10) students every week with understanding programming concepts, object-oriented design, data structures and time complexity analyses, by walking them through their thinking process and eventually debugging their code, this during private tutoring and grouped workshops.
- Organized, led and facilitated +5 technical workshops in one academic year, providing a safe environment for the successful learning of the students. Topics: Command Line, Git & GitHub, VMs, Javascript, Intro to Python, ANNs.

Trainer - Google CSSI Extension   May 2019 – Aug 2019

NORTHEASTERN ILLINOIS UNIVERSITY Chicago, USA.
- Lead the first Google CSSI Extension program in the midwest of the US. Guided 14 incoming students through their journey learning technologies like HTML, CSS, Javascript, Python and APP Engine. Lectured and assisted students during hands-on activities +50 hours a week.

Developer Engineer (VIKUA C. A. Miranda, Venezuela)   Jan 2012 – Apr 2014
- Improved 10% accuracy of the system *Observar*, which using computer vision algorithms and filters computed statistics about traffic caught by Cameras VIVOTEK of a particular street. Added new features using Labview for setting up and evaluating the system's car recognition, which contributed to scalability of the project. Documented legacy code written in C++ and within Labview.
- Contributed in design and development of a system that allowed real time visualization of cameras installed on 10+ city buses. Technologies: mainly python 2.7, HTML, CSS and JavaScript.