

EFRÉN LÓPEZ MORALES

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PROFESSIONAL EXPERIENCE

Texas A&M University - Corpus Christi

Research Assistant

Corpus Christi, TX

Aug 2021 to Present

- Perform cybersecurity research focused on Cyber-physical Systems.
- Write applications using Python, C++ and Linux Shell.
- Install and configure Siemens PLCs.

Cisco Meraki

Network Support Engineer

Chicago, IL

May 2020 to Aug 2021

- Diagnosed and troubleshooted routing and switching, wireless, security, SD-WAN and firewall Meraki products and technologies using the Meraki Dashboard, Wireshark and Knowledge Base articles.
- Collaborated and communicated with different support teams, third party partners and customers regarding technical issues both orally and over email in English, Spanish and Portuguese.

Arizona State University

Research Assistant

Tempe, AZ

May 2019 to May 2020

- Performed cybersecurity research focused on Cyber-physical Systems.
- Wrote applications using Python, C++ and Linux Shell.
- Installed and configured Siemens PLCs.

Arizona State University

Teaching Assistant

Tempe, AZ

Aug 2018 to May 2019

- Taught laboratory sections of CSE110 Principles of Programming with Java to students learning to write code for the first time.
- Graded assignments, labs, exams and occasionally lecture.

Telmex

Network Engineer

Mexico City, Mexico

May 2016 to Jul 2018

- Deployed and troubleshooted Cisco enterprise network devices and technologies such as BGP, EIGRP, OSPF, QoS, VRFs, STP, PoE.

Tata Consultancy Services

Systems Engineer

Montevideo, Uruguay

Jan 2015 to Mar 2016

- Managed VMWare server deployments for Data Center Infrastructure projects.
- Troubleshooted networking, Windows Server and Active Directory technologies.

Tata Consultancy Services

Systems Engineer Intern

Hyderabad, India

Jan 2014 to Dec 2014

- Managed VMWare server deployments for Data Center Infrastructure projects.
- Troubleshooted networking, Windows Server and Active Directory technologies.

Universidad Autónoma de Guadalajara

Systems Engineer

Tabasco, Mexico

Feb 2013 to Dec 2013

- Performed as Webmaster and administrator of DNS and Web servers.

PEMEX - Mexican Petroleum

Network Technician Intern

Tabasco, Mexico

Feb 2013 to Dec 2013

- Configured Cisco, Nortel, Extreme enterprise switches and routers.

EDUCATION

- PhD, Computer Science, Texas A&M University - Corpus Christi, 2021.
- MS, Computer Science, Arizona State University, 2020.
- BS, Computer Networks, Universidad Autónoma de Guadalajara, 2012

CERTIFICATIONS

- CCNP Enterprise (350-401 ENCOR).
- CCNA Routing and Switching.
- ITIL Foundation.

OTHER SKILLS

Programming C, C++, Python.

Software Wireshark, Linux command line, Meraki Dashboard, Cisco IOS.

Languages English: professional proficiency. Spanish: native. Portuguese: professional proficiency.