

Maria del Mar Valderrama

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EDUCATION

University of Oklahoma (OU) – Norman, OK

- B.S. in Computer Science – May 2021
- GPA: 3.30 / 4.00

United World College Red Cross Nordic – Flekke, Norway

- International Baccalaureate Diploma (IB) – May 2017

EXPERIENCE

Networking Developer IT Intern | Love's Travel Stops & Country Stores

May – Aug 2020 | Oklahoma City, OK

- Developed Python scripts that automate data captures from Solarwinds Orion, Cisco Meraki and Excel
- Redesigned and automated network status dynamic Tableau dashboards, saving the company manual labor
- Consolidated and automated latency data from Cisco Meraki to Tableau Dashboard for all Travel Stops nationwide, helping the company to focus on sites with worst performance

Code Sooner Teaching Assistant | OU School of Computer Science

Aug 2019 – Present

- Responds to student & faculty questions regarding AP level Computer Science classes in the Code Sooner program
- Redesigned web development (HTML, CSS, JavaScript, design principles) AP level class
- Co-developed codesooner.org using React.js to showcase the impact of the Code Sooner program in Oklahoma

Research Assistant | OU Department of Environmental Sustainability

Jan 2019 – Aug 2019

- Refactored R UI for tRIBS Hydrological Model data modelling and analysis
- Processed data for tRIBS simulation model for Baron Fork river in Oklahoma
- Cleaned and analyzed statistical data for modelling purposes

IT Technician & Developer | OU Information Technology Learning Spaces

Sept 2017 – Sept 2019

- Co-developed Python script to setup a new Qualtrics default user type and transfer 5000+ users to it
- Performed routine maintenance on technological resources for computer labs and classrooms
- Trained new student personnel to fulfill IT technician roles

SOFTWARE SKILLS

- Proficient in: C, C++, Java, Python
- Worked in: SQL, Postgre SQL, R, R Shiny, React.js, Git, Google, Earth Engine, Google Cloud, Infoblox
- Interests: OS, Networks, AI, UI Design

LEADERSHIP EXPERIENCE

Technology Chair | OU Colombian Students Association

2019 – 2020

- Managed the auditorium lights and sound during the 2019 and 2020 Colombian night cultural event
- Managed Qualtrics surveys and updated data for incoming members

Scholar | OU President's Leadership Class

2017 – 2018

- 1% acceptance rate from over 12000 applicants

Website Manager | Saving the Future Generations (SAFUGE)

2015 – 2017 | Norway

- Created and managed the first SAFUGE humanitarian project in Cali, Colombia

PUBLIC SPEAKING EXPERIENCE

Future of Education and Social Impact Panelist | Skoll World Forum University of Oxford

2017 | UK

- Spoke about the impact of young people in in shaping the future of a more empathetic education

Young Agents of Change Panelist | Tutu Foundation Peace Summit Regents University London

2017 | UK

- Spoke about the role of young victims in the Colombian armed conflict in shaping the peace agreement