

MARIO ARTURO LOPEZ MARTINEZ

🌐 mariolopez.org · ✉ mario@lopez.fyi · [in](#) HiMarioLopez · [G](#) HiMarioLopez

EDUCATION

AUGUST 2016 – MAY 2020

BAYLOR UNIVERSITY, SCHOOL OF ENGINEERING & COMPUTER SCIENCE, B.S. COMPUTER SCIENCE

RELEVANT WORK EXPERIENCE

MAY 2019 – PRESENT

EXXONMOBIL CORPORATION, FULL-STACK SOFTWARE ENGINEER – NEXTFIELD

- Build and design large distributed data services for the largest IIoT platform in the oil & gas industry
- Leverage cutting-edge IoT, edge compute and cloud technologies to better leverage field assets
- Develop RESTful APIs that deliver ~4 million messages a day from various IoT modules to front-end dashboards

JULY 2019 – AUGUST 2019

EXXONMOBIL CORPORATION, DIGITAL INNOVATION ANALYST INTERN

- Directed research team in a study to identify pain points during engagements between teams at ExxonMobil
- Engaged in 22 user interviews; the study included managers, engineers, technologists, VPs, and digital architects

MAY 2019 – JULY 2019

EXXONMOBIL CORPORATION, DIGITAL EXPLORATION LEAD – ARTIFICIAL INTELLIGENCE INTERN

- Led research project on reinforcement learning methods and how to leverage the technology within our industry
- Assessed industry-leading frameworks through extensive testing, development, and deployment of RL models
- Learned RL capabilities and best practices, and how to effectively apply the technology to solve business problems

MAY 2018 – AUGUST 2018

EXXONMOBIL CORPORATION, CONSULTING ARCHITECT – WEARABLES APP DEVELOPMENT INTERN

- Developed a hands-free productivity app for 10 field engineers and ultimately cut media annotation time by 77%
- Introduced Kotlin and used Azure Mobile App Services to provide access for the app to over 10,000 field engineers

LEADERSHIP & ACTIVITIES

MAY 2019 – MAY 2020

BAYLOR ECS STUDENT ORGANIZATION COUNCIL, CHAIR

- Advised all student organizations under ECS to work towards improved community engagement and outreach
- Coordinated with 8 different student org leaders (56 students); front management of change & alignment efforts

DECEMBER 2018 – MAY 2020

THE WACODE TEAM, FOUNDER & PRESIDENT

- 1st hackathon at Baylor; 83 participants from 12 different schools in 2020 (up from 12 total participants in 2018)
- Raised over \$7,000 from 8 corporate sponsors which hosted workshops and on-site interviews for participants
- Developed wacode.org using React and Heroku to better market and share our event details

JANUARY 2018 – MAY 2020

GOOGLE IGNITECS – BAYLOR CHAPTER, FOUNDER & PRESIDENT

- Established relationships with schools to provide STEM education for the next generation of professionals
- Led a team of 32 volunteers to collectively provide 633 hours of volunteer service and instruct 105 students

DECEMBER 2017 – MAY 2020

COMPUTING FOR COMPASSION, PRESIDENT

- Provided IT consulting to 5+ Waco nonprofits to expand on IT infrastructure and software solutions
- Rebranded organization through rebranding and marketing efforts, increasing membership by 525% over 3 years

HONORS

- **2020 Outstanding Service Award** Baylor CS Department
- **2019 cloudJam Hackathon Winner** ExxonMobil
- **2018 Upsilon Pi Epsilon Inductee** Baylor CS Department
- **2018 Presentation to President and CIO** ExxonMobil GSC
- **2018 Presentation to Board of Advocates** Baylor ECS
- **2018 SpaceX Sponsorship** for student-community projects

SKILLS

- **Web Development** (Angular, React, JavaScript, .NET Core)
- **Cloud Services** (Microsoft Azure, AWS, Heroku)
- **Object-Oriented Programming** (Java, C#, C++)
- **User-Centered Design** (Wireframes; Figma & Sketch, Requirements Engineering, Product Interviews)
- **Bilingual Fluency** (English and Spanish)