

Mechatronics Engineer Student



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Experience

- 02.2018 – 08.2018 **Software Developer in *Bosch* Germany | Internship** Abstatt, DE
- Node.js Developer
 - Scripting
 - Azure Portal support
 - Integration of different API's and Technologies (Gitlab, LDAP, Azure SDK)
- 05.2017– 07.2017 **Front-End Developer in *Briko Robotics* | Internship** San Luis Potosí, MX
- Utilizing OpenCV to recognize objects in robot vision
 - Interactive HTML 5 games
- 08.2014 - 06.2016 **Head Mentor in the Electrical Area of Robotics Team *Lambot 3478* | S.L.P, MX**
Participation in: *For Inspiration and Recognition of Science and Technology (FIRST)* competition.
- Hired by *Lambot's* sponsor *General Motors* to renovate and revamp the electrical and programming areas of the team.
 - Mentored Students on the electrical and programming side of constructing a robot.
 - Utilized Java and LabView for robot's programming.
 - Beta Tested the new "*RoboRIO*" FPGA for National Instruments
- 09.2012 - 05.2014 **Head Programmer and Member of Team *LamBot 3478* | S.L.P, MX**
- Managed , programmed and laid out the electronical components of the system.
 - Won 2 Engineering Inspirations Award in the FRC World championship at St. Lois Missouri (2013,2015)
 - Innovation in Control Award sponsored by *Rockwell Automation* at Mexico City Regional (2014)

Languages

Spanish Native Language

English Advanced (TOEFL, Score: 597)

German Intermediate (A2-Level)

Software Skills

Advance Knowledge Node.js, Javascript, Git , Gitlab, Continuous Integration , Microsoft Office, Solidworks, REST, Api, SQL, MongoDB

Intermediate Knowledge Java, Python, Bash Scripting, Arduino, Tia Portal, Docker, Unit Testing, Scrum ,React, Linux CLI

Certificates/Awards

- Certified SolidWorks Associate (CSWA)
- Intercultural Management Communication Seminar
- SAP Student Recognition Award
- National Youth Prize 2012 in Science and Technology

Education

- 08.2014 – 12.2018 **Instituto Tecnológico y de Estudios Superiores de Monterrey |**
Mechatronic Engineering
San Luis Potosí, México
- 09.2017-02.2018 **Hochschule Karlsruhe - Technik und Wirtschaft |** Study Abroad program
- 05.2016- 06.2016 **University of Seoul |** Summer school program
- 08.2012-05.2014 **International Baccalaureate Diploma |** Emitted in Geneva, Switzerland