EMANUEL BARRERA ESTRELLA

✉ emanuelbarrera98@gmail.com   📞 +52 1 55 4089 1179   github.com/emanuel0918
🌐 emanuel0918.github.io   linkedin.com/in/emanuel0918

🎓 EDUCATION

Computer Systems Engineering, B.S. | Superior School of Computer Sciences ↗
Computer Science as Major, learned algorithms and data structures at the Competitive Programming Club

Expected Graduation date on January 2022
CGPA: 92 out of 100 (3.66/4)

Scholar Internship
Informatic Engineering, B.S. | Superior Technical School of Informatic Engineers
Technical University of Madrid ↗ | Completed from the classroom to the virtual modality.

JAN 2020 - JULY 2020
MADRID - SPAIN

Computer Programmer, Technical Track | Center of Scientific and Technological Studies #9 ↗
Developed Heatmap[1], a long-term project in a team of four people where I've improved my leadership

AUG 2013 - JUNE 2016
CGPA: 87 out of 100 (3.48/4)

🔀 MAJOR PROJECTS

zerocopyMQ (2020)
 github.com/emanuel0918/zerocopyMQ ↗
Distributed system that sends messages longer than 2KB and neither the clients nor the server stored copies of these in the process saving memory to improve efficiency.

AppNewspaper (2020)
 github.com/emanuel0918/AppNewspaper ↗
Mobile App for Android OS to manage articles and store them in a cloud resource for +1000 items and displayed dynamically in a card-list component. The app has an internal database to locally keep these articles to reduce connections to the server.

Heatmap[1] (2015)
 github.com/emanuel0918/Heatmap ↗
Heatmap is a software that warns the community from crime in the cities using a map, when a crime is reported, a location spot is stored and other locations around update the map marking if a zone is dangerous to a citizen !

G E S Events (2018)
 github.com/emanuel0918/GesEventos ↗
This software supported an academic event ↗, coordinated dynamic invitations to 500+ participants and saved time on attendance. Prepared a dynamic map that displayed the seats management focused to help handicap people sit closer.

⭐ SKILLS

</> PROGRAMMING LANGUAGES
4 YEARS: Java
4 YEARS: C / C++ ; mostly for competitive programming
3 YEARS: JavaScript ; on FrontEnd
6 MONTHS: PHP

📇 TECHNOLOGIES
Linux, MySQL, HTML, CSS, XML, LaTeX, Git, JSP, Weka, Android SDK, Apache Tomcat, Vim, GIMP, Materialize, Bootstrap and Android Studio

🏅 AWARDS
✓ Student of Academic Excellence at the Superior School of Computer Sciences (2017 - 2020)
✓ Honorable Mention at the Mexico Physics Olympiad (2015)

🌐 ONLINE COURSES
◇ Data Mining with Weka ↗ : Online Course by The University of Waikato to introduce Machine Learning
◇ GoodTyping ↗ : Course to learn how to correctly type using all fingers