

EMANUEL BARRERA ESTRELLA

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🐙 github.com/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 (3.71/4)

Student Exchange Program
Informatic Engineering, B.S. | Superior Technical School of Informatic Engineers
Technical University of Madrid | Data mining, mobile development and distributed systems.

JAN 2020 - JULY 2020
MADRID - SPAIN

💼 WORK EXPERIENCE

Software Engineer II @ HCLTech ClearCase and VersionVault Express [®](#)

March 2022 - Present
New Jersey, U.S.A.

- Developed ClearCase on Windows & Linux conversion from 32 bits architecture to 64 bits architecture.
- Developed the HCLTech VersionVault Express [®](#) API using the Java Framework SpringBoot on Apache Tomcat Server.
- During the Review Board integration I developed Python3.8 scripts (Django) to interoperate with Java.

Back-End Developer | Applab [↗](#) | Major in API Development

April 2021 - Oct 2021

- Developed a Bot tha read mails and parsed requests for the customer (Spring Boot, Java)
- Optimized the Back End via automatic tests on the API and learned from security using tokens on the web service .

🔗 PROYECTOS PERSONALES

University Graduation Long Term Project - Nutritional Classifier (2022)

A Mobile App for Android OS to classify products using their nutritional facts. Developed an OCR for parsing the info, used an ML algorithm for classifying and used an internal database to reduce the client connections to the cloud MongoDB server. The UI got a navigation drawer to filter the products and these were displayed dynamically in a featured card listview adapter.

★ SKILLS

🔗 PROGRAMMING LANGUAGES

4 YEARS: Java | *mostly for Android and BackEnd dev*
4 YEARS: C | *developed ClearCase database using Zen*
2 YEARS: Python | *worked Django framework in ReviewBoard*
3 YEARS: C++ | *mostly for competitive programming*
1 YEAR: JavaScript | *mostly Front-end development*
6 MONTHS: PHP | *for web development on scholar projects*

📱 TECHNOLOGIES OF EXPERTISE

Android SDK, Android Studio, Azure Console CLI, Bootstrap, CSS, Eclipse, Flask, Firebase ML Vision Analytics, Git, Google API Console, HTML, IntelliJ, Jenkins, jQuery, Makefile, Material Design, MongoDB Atlas, Netbeans, RegEx, Oracle Cloud, Postman, PostgreSQL, SQL, Spring Boot, Swagger, Vue.js, VS Code, Vagrant, Vim, VirtualBox. Arduino, Windows Batch, Linux.

🌐 ONLINE COURSES

- ◇ Global Business Hard Skills - Course that cover topics of Self-Awareness, How to Sell, Communication and other subjects for improving my leadership. (2023)
- ◇ TOEFL ITP Certification [↗](#) - **Score 500 (CEFR B1 Lv)**

- ◇ O'Reilly Online Training - Introduction to Containers: Docker (2022)
- ◇ GoodTyping [↗](#): Learned how to type using all fingers in QWERTY keyboard - **Keystrokes Per Minute (KPM) +260**