

ESTEBAN FORONDA SIERRA

1 Personal Data

PLACE AND DATE OF BIRTH: Colombia | November 2nd 1994

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GITHUB: <https://github.com/EstebanFS>

2 Interests / Hobbies

Coding, Teaching, Competitive Programming, Learning. |

3 Education

Current studies: SYSTEMS ENGINEERING, COMPUTER SCIENCE

University: EAFIT University (Medellín, Colombia)

Graduation date: 2012-2016

Current Cumulative (GPA): 4.40(5.0 scale)

Organizations: Competitive Programming Seminar.

4 Skills and Tools

- **Proficient:** Algorithmic thinking, problem solving.
- **Advanced:** C++, Java.
- **Moderate:** Scala, Python, MySQL, JavaScript.
- **Basic:** Ruby on Rails, Spring.
- **Tools & Others:** Git, Atom, Scrum, Latex, Jenkins.
- **Operating Systems:** Linux, OS X.

5 Work Experience

| | |
|----------------|--|
| 2018 - PRESENT | <p>Senior Developer at Endava.</p> <ul style="list-style-type: none">- Design, Develop and Support of Django Applications to automate heavy process on the client side.- Improve the functionality of applications using Patterns, Clean Architecture and Algorithms. <ul style="list-style-type: none">• Back-End: Python - Django |
| 2017 - 2018 | <p>Sotware Developer at Seven4N.</p> <ul style="list-style-type: none">- Designed, Developed and Supported both sides, Back-End and Front-End.- Took part of the Pipeline configuration process.- Created Scripts that take care of code quality and testing.- Improved the complexity of some critical algorithms, reducing their times from hours to minutes. <ul style="list-style-type: none">• Back-End: Scala• Front-End: Angular• Scripting: Shell Scripting and Git hooks. |
| 2015 - 2016 | <p>Mobile Developer at Ceiba Software.</p> <ol style="list-style-type: none">1. EMI - Health Software: .<ul style="list-style-type: none">- Designed, Developed and Supported both Mobile and Back-End.- Reduced the numbers of errors produced by data in around 90%<ul style="list-style-type: none">• Mobile Technology: Titanium - Appcelerator Android version.• Back-End: Java.2. Intern Projects: .<ul style="list-style-type: none">- Created generic components that made easier to mix technologies or to work with some specific ones in order to improve development time.<ul style="list-style-type: none">• Mobile Technologies: Android, Xamarin.• WebServices: SprintBoot.• Desktop: Shell Scripting.3. Rapicredit - Bank Loans App:<ul style="list-style-type: none">- Designed, Developed and Supported Back-End, Front-End and Android App.- Used some others programming languages like C++ and Java to create automated tasks that were able to clean the database and improve time.<ul style="list-style-type: none">• Mobile technology: Android.• Back-End Java, Spring, LDAP, WSO2.• Front-End JSP, CSS, HTML. |
| 2013 - 2014 | <p>Mobile Developer at IdeasLab</p> <p>Duing was a social application for Android similar of Twitter.</p> <ul style="list-style-type: none">- Focused mainly in the management of data from Web Services and mobile databases |

6 Projects

1. **Programming Lab:** Software developed in C++ that receive a series of tasks descriptions in YAML format and a series of pipes that connect some specific jobs. The software will try to execute the connected jobs and it will show if the task could be completed along with its result, doing the same task as if you run the command `echo hello world | wc &` in the terminal for example.
2. **Nower:** Application to recommend special offers based in the user location, the final user (Buyer) application was created in Android, Client (Stores) was created with **HTML5, Javascript and AngularJs** and the BackEnd was created with **Ruby on Rails**.
3. **Numerical:** An **Android** application that interpret numerical functions and evaluate them with different numerical methods learned in the subject Numerical Methods.
4. **Graphics:** **Java** desktop application with different graphics methods to represent objects and change his properties(scale, rotate, etc).
5. **CoffeeStart:** CoffeeShop Cashier Application developed in **Assembler**.
6. **A queue manager for Android** That helps to request turns with your cell phone.
7. **Checkers:** Game of Checkers created with **Java** using **Max/Min algorithm**.
8. **BlackJack:** Game of BlackJack created with **Java**.
9. **NOTE:** You can find some of those projects on my [Github!](#)

7 Languages

SPANISH: Native (Colombia)

ENGLISH: Advanced.

8 Extra-Curricular Activities

- **Competitive Programming Seminar - EAFIT University**
Coach
January 2017 - Present
- Create teams and help them to improve their abilities in order to make a better job in the programming contests.

- **Competitive Programming Seminar - EAFIT University**
Lecturer
January 2014 - Present
 - Explain and teach some Algorithms topics, Problems, and Solutions. Those topics include graphs, dynamic programming, ad hoc problems, greedy algorithms, etc, in order to help university teams to improve their abilities in a real programming contests.
 - Help to introduce new people to programming.
- **Course “Data Structures and Algorithms II” - EAFIT University**
Teacher Assistant:
January 2015 - June 2015 (Six Months)
 - Helped students to understand algorithms. - Explain why algorithms are really important and how to pass theory into practice.
 - Topics included graphs, algorithms complexity, search of patterns, dynamic programming, optimization, etc.

9 Extra-Curricular Courses

- **Data Structures and Algorithms - Coursera Specialization Chosen**
Programming Language: C++
 - **Algorithmic Toolbox**
 - **Data Structures**
 - **Algorithms on Graphs**
 - **Algorithms on Strings**
 - You can find more information about this course in the following link : [Data Structures And Algorithms Specialization](#)
- **Certified Scrum Developer (CSD)**
Certification Authority: Scrum Alliance
- **Developing Android Apps - Udacity**
State: Free version completed
 - You can find more information about this course in the following link [Developing Android Apps](#)
- You can find those certificates on my [Linkedin](#)

10 Contests

- **Coach** at the 2018 ACM-ICPC South American-North Regionals.
- **Coach** at the 2017 ACM-ICPC South American-North Regionals.
- **Fourteenth Place** at the 2016 ACM-ICPC South American-North Regionals.
- **Eleventh Place** at the 2015 ACM-ICPC South American-North Regionals.
- **Twentieth Place** at the 2014 ACM-ICPC South American-North Regionals.
- **Coach** at the 2018 Colombian Programming Contest ACIS REDIS.
- **Coach** at the 2017 Colombian Programming Contest ACIS REDIS.
- **Fifth Place** at the 2016 Colombian Programming Contest ACIS REDIS.
- **Tenth Place** at the 2015 Colombian Programming Contest ACIS REDIS.
- **Tenth Place** at the 2014 Colombian Programming Contest ACIS REDIS.
- **Thirty-Fourth Place** at the 2012 Colombian Programming Contest ACIS REDIS.
- Participated in virtual contests like **Google Code Jam** and **Facebook Hacker Cup**
- Participated in several test contest made by local organizers.
- Solving different kind of algorithmic problems in several online judges such as [UVA](#), [Codeforces](#) and [HackerRank](#)., etc. User for each Judge: **EstebanFS**.
- You can find some of those solutions in Competitive Programming repository on my [Github!](#)

11 Achievements - School

- **Best Graduation Project, Neosistemas 2011:**
I won with “Puzzle”, a Contable Software, based in the problem of a little company.
- **Distinced Graduates, Neosistemas, 2011**
Distinction with honors among graduates of my year