Julián Mauro Mateu Santos

Puán 235 (C1406CQE), Buenos Aires, Argentina
☎ *(+54-11) 2153-4454*
(+54-11) 15-3026-1462
✉ *julianmateu@gmail.com*
Birth Date: 12/11/1992
D.N.I.: 37.143.205



Electronic Engineer

Ongoing Education (2019)

2016 **Superior Technician in Composition**, *Music Conservatory Manuel de Falla (Conservatorio Superior de Música Manuel de Falla).* 3rd year

Finished Education

2011-2017 **Electronic Engineering**, *University of Buenos Aires (Universidad de Buenos Aires)*, Faculty of Engineering (Facultad de Ingeniería FIUBA).
Average grade: 7.93 of 10.0

2010-2015 **Music Degree in Piano**, *Music Conservatory Manuel de Falla (Conservatorio Superior de Música Manuel de Falla).*
Average grade: 8.87 of 10.0

2006-2011 **Bachelor in Exact Sciences, Technology and Design**, *Colegio Nacional de Buenos Aires CNBA (High School).*
Average grade: 8.62 of 10.0 Highest GPA in Chemistry

Work Experience

2016 - present **Software Engineering Contractor**, *Google.*
Software design, implementation and testing for Augmented Reality (a project with Fiber, then Tango and now ARCore) using Android, Java, C++, C# and Unity. Implementation of SDK functionality, public code samples, apps to visualize tracking algorithms. Design and implementation of internal tools for API documentation using Python and Profiling using C#.

2016 - present **Software Engineer**, *Ekumen.*
Software development for applications in Robotics and Virtual/Augmented Reality. Meetings with international clients (US and Europe). Technical interviews with junior candidates. Career guidance for junior employees.

2016 - present **Teaching Assistant in the Physics department**, *FIUBA*, "Electromagnetism", "Modern Physics" and "Classical Mechanics" courses.

2015 **IT Advisory Assistant**, *Ernst & Young.*
IT Security Audits

2010 - present **Private Teacher**, *Independent.*
Private lessons of Mathematics and Physics for high school and college students. Private Guitar, Piano and Music Theory lessons.

2014 **Teaching Assistant in the Electronics department**, *FIUBA*, "Electronic Circuits" course.

2012 **Mathematics Teacher**, *Instituto Cursiva.*
Private lessons for high school and college students

2011 **Telemarketer**, *EMPCO.*

Languages

Spanish	Native		
English	Proficient	*First Certificate Exam (2009)*	*Grade: A*
French	Intermediate		
Portuguese	Intermediate		
German	Intermediate		*Currently studying for B1*

Programming and Computer Skills

OS	Linux (Debian/Ubuntu), MacOS, Windows
Languages	Mostly Python, Java, Android, C and C++. Experience with C#, Unity, VHDL, assembly. Basic knowledge of SQL, HTML/CSS, Javascript, Ruby, Smalltalk
Other tools	Bash, Git, ROS, LaTeX, Vim, MS Office (Word, Excel, Power Point)
Scientific / simulation	Gazebo, MATLAB/Octave, SPICE, Eagle, Mathcad

Contests

2014, 2015, 2016 **Regional ACM-ICPC (ACM Regional Collegiate Programming Contest)**, *Participation.*

2014, 2015, 2016 **Argentina Programming Contest**, *Participation, qualifying to participate in the ACM-ICPC Regional Competition.*

2015 **II Robotics Challenged hosted by the Robotics Student Group of the National University of San Juan (GERUNSJ)** , *Participation.*

2015, 2016 **Synopsys Microelectronics Olympiad**, *Participation.*

2014 **Google Code Jam**, *Participation up to the 2^{nd} round.*

2008 **X Metropolitan Mathematics Olympiad**, *Honorable Mention.*

2007 **IX Metropolitan Mathematics Olympiad**, *Honorable Mention.*

2007 **XXIV Argentina Mathematics Olympiad**, *Participation in the National Round.*

Publications

2017 **"Funciones Potenciales para la Evasión de Obstaculos" (Potential Functions for Obstacle Avoidance)**, *Congreso Argentino de Sistemas Embebidos (CASE)*, August 2017, Article for the magazine and poster for the conference.

Interests

Robotics Participation in competitions from the Robotics Club (FIUBA).

Music I play guitar and piano. I had rock and funk bands, and I like to compose and improvise with friends.

Science I enjoy reading and taking courses about physics, mathematics, astronomy, and technology in general.