



Eric Brandwein

Software Engineer

Profile

Programmer since 2011, winning gold medal on the Argentinian Informatics Olympiad at 14 years old. Constantly invested in competitive programming, most recently organizing the new workshop at the University of Buenos Aires, in which new participants come to learn the ropes. This experience has made me part of a genuinely collaborative community. Good grasp on programming techniques to make faster programs, while attentive to details when working on bigger projects. Always aspiring to make the best design possible, with every line covered by suitable tests. Not afraid to discuss new ideas and continuously thinking of ways to improve any project I take part in.

Experience

- January 2022 – **Software Engineer**, *Wildlife Studios*, Buenos Aires, Argentina.
present Development of the mobile infrastructure used to display ads in games for Android, iOS, and Unity, including contributions that directly affect the revenue. Languages used include Kotlin, Swift, Objective-C, and C#, among others.
- August 2021 – **Software Engineering MTS**, *Mulesoft*, Buenos Aires, Argentina.
- December 2021 Quality Automation Engineering, working on the end to end tests in TypeScript for the product.
- March 2021 – **Software Engineer II**, *Medallia*, Buenos Aires, Argentina.
- August 2021 Member of the Test Infrastructure Engineering team, working in projects in a variety of languages and frameworks, including Flask, Node.js, and Java.
- February 2019 – **Assistant Professor of Algorithms and Data Structures**, *Departamento de Computación, Facultad de Ciencias Exactas y Naturales, UBA*, Buenos Aires, Argentina.
- February 2020 Teaching first year students how to write their first programs in C++.
- February 2018 – **Programming Tutor**, Buenos Aires, Argentina.
- February 2020 Teaching Java, Android, and Python programming to high school students.
- March 2015 – **Software Engineer**, *Mercadolibre*, Buenos Aires, Argentina.
- March 2017 Three-month training course, learning Java, SQL, HTML, CSS, and others. Then, mainly developing the Android native app, but also working with the Groovy/Grails and Node.js frameworks. During this time, I almost completely re-developed the company's home view for the Android app.

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📄 <http://github.com/ericbrandwein>

Education

- 2015–2022 **Computer Science Master**, *University of Buenos Aires*, Buenos Aires, Argentina. Marks average of 8.9 out of 10. Presented a master's thesis on an algorithm to compute the thinness of a tree graph in $O(n \cdot \log(n))$ time; a new result in the field. This development was later presented at the International Symposium on Combinatorial Optimization (ISCO) of 2022, and will be published as a paper.
- 2010–2014 **Bachelor with orientation on Information Technology**, *ORT High School*, Buenos Aires, Argentina.

Languages

Spanish	Native	<i>Born and currently living in Argentina</i>
English	Fluent	<i>CAE, University of Cambridge</i>
Italian	Good command	<i>Trilingual Elementary School, and Italian family</i>
French	Basic	<i>6-month course with a native French professor</i>

Technologies

- Languages Java, C++, Python, Javascript, and Kotlin, among others. I develop following TDD and design patterns whenever possible.
- Frameworks Android, Django, Node.js, JUnit, and others.
- Others Git, Bash, Linux.

Other certificates

- Member of the team placing third on the 2019 and 2020 Argentinian Programming Tournaments (TAP).
- A total of 11 medals and recognitions in the National Argentinian Olympiads of Informatics (OIA) and Mathematics (OMA), including national Gold Medal.
- Cambridge Certificate of Advanced English (CAE).

Other Projects

Contributed to many open source projects, including [the Django framework](#) and [Pharo](#). These can be seen on [my GitHub page](#). My most recent contributions were made to [Cuis](#), a Smalltalk distribution; and [QED](#), a page where university students can upload and solve exercises. Also, avid competitor on [Codeforces](#).

Other Interests

Teaching, Musical Comedy, Skiing, and Tabletop Gaming.