



# Federico del Mazo

## Résumé

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in FdelMazo • 🌐 FdelMazo

*21 years old, Computer Engineering Student, developer at Raico S.A..*

## Work Experience

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### **Raico S.A.**

*Full Stack developer*

*April 2018–Now*

<https://www.raiconet.com/>

Development and support of the web application and the mobile app of Raico S.A.

Development of *Exporta Simple*, a web platform integrated with the Argentine Ministry of Production

Technologies: Grails, Java, Groovy, MySQL

### **Universidad de Buenos Aires, Facultad de Ingeniería**

*Teaching assistant - Algorithm Theory I*

*January 2019–Now*

<https://algoritmos-rw.github.io/tda/>

Covered topics: P, NP, NP-Complete, reductions, divide and conquer, programming heuristics (dynamic programming, greedy techniques), network flow, randomized algorithms, approximation algorithms, computation, regular languages, Turing machines.

*Teaching assistant - Algorithms and Programming II*

*August 2017–January 2019*

<https://algoritmos-rw.github.io/algo2/>

Classes, workshops, making and grading of exams.

Covered topics: C, memory management, algorithmic complexity, abstract data types, data structures (linked lists, hash tables, trees, heap queues), graph theory (minimum spanning tree, traversal).

## Education

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### **Universidad de Buenos Aires, Facultad de Ingeniería**

*Computer Engineering student*

*2015–Now*

### **Colegio Ward**

*Bilingual bachelors' degree in economics and business administration*

*2009–2014*

*Grade Point Average 8.29*

### **University of Cambridge**

*International General Certificate of Secondary Education (IGCSE)*

*2012–2013*

*Passed with Merit*

*March 2019*

**University of Cambridge**

*First Certificate in English*

*Grade C*

2011

## Specific skills

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- **Programming languages:** C, Python, Java, JavaScript.
- **Programming paradigms and algorithm design techniques:** Procedural programming, object-oriented programming, dynamic programming, divide and conquer, greedy algorithms
- **Other topics:** Data analysis, computational complexity, machine learning, MapReduce, graph theory, data compression, PageRank, hashing
- **Other languages:** SQL, TeX.
- **Frameworks and miscellaneous:** Groovy, Grails, Pandas, PySpark.

## Universidad de Buenos Aires, Facultad de Ingeniería

### Passed subjects

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<b>Algoritmos y Programación I (75.40)</b> <i>Libro 95 · Folio 4264</i>	<b>Grade: 8</b> 12/12/01
<b>Física I (62.01)</b> <i>Libro 62 · Folio 2705</i>	<b>Grade: 4</b> 16/02/17
<b>Análisis Matemático II (61.03)</b> <i>Libro 61 · Folio 2637</i>	<b>Grade: 6</b> 21/02/17
<b>Algoritmos y Programación II (75.41)</b> <i>Libro 95 · Folio 4712</i>	<b>Grade: 9</b> 03/07/17
<b>Química (63.01)</b> <i>Libro 63 · Folio 2187</i>	<b>Grade: 5</b> 10/08/17
<b>Algoritmos y Programación III (75.07)</b> <i>Libro 95 · Folio 5174</i>	<b>Grade: 6</b> 18/12/17
<b>Matemática Discreta (61.07)</b> <i>Libro 61 · Folio 2923</i>	<b>Grade: 4</b> 16/07/18
<b>Organización de Datos (75.06)</b>	<b>Grade: 10</b> 13/12/18
<b>Teoría de Algoritmos I (75.29)</b> <i>Libro 95 · Folio 6067</i>	<b>Grade: 10</b> 19/12/18