Antoine Carossio

École polytechnique | HEC Paris

Engineering and business student, with a passion for computer science and a strong curiosity about new technologies.
Looking for an internship from June to September 2018.

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Education

Since Sept. 2016 — **Double Degree Program**, *École polytechnique & HEC Paris*.
- The double degree program between the Ecole polytechnique (Premier French engineering school) and HEC Paris (France's top-ranked business school) is combining the two most prestigious engineering and business formations of France.
- Since its creation in 2012, only 4 other people have managed the selection trough the two most competitive entrance examinations in the country.
- Which implies attending both schools at the same time, requires rigorous organization and is intellectually really challenging.

Since Sept. 2016 — **Master of Sciences (Cycle ingénieur)**, *École polytechnique*.
Engineering studies, majoring in computer science. Courses taken include:
- Object Oriented Programming with Java, Design and Analysis of Algorithms, Concurrent Computing, Advanced programming, Big Data with C++, Web development (complying with W3C Standards)
- Advanced Probabilities and Statistics, Markov chains
- Macroeconomics, Microeconomics
- Cell biology, Molecular Biology

Since Sept. 2015 — **Master in Management (Grande École)**, *HEC Paris*.
General business studies within the European best Master in Management (*Financial Times*, 2017)
- Financial Economics, Financial Markets, Corporate Finance, Financial Accounting
- Business Strategy, Corporate Strategy, Agile Methodologies
- Data Modeling, Data Analytics, Microsoft Excel
- Contract Law, Company Law, Labour Law
- Supply Chain Management, Marketing

Sept. 2015 – June 2016 — **Bachelor's Degree in Applied Mathematics (MIASHS)**, *The Sorbonne*, Valedictorian.
Degree in mathematics and computer sciences applied to human and social sciences.
- Differential Calculus, Optimization Theory, Hilbert Space
- Measure Theory, Probabilities and Statistics

Sept. 2013 – June 2016 — **Business & Economics (ECS)**, *Lycée Henri IV*, Paris.
Intensive selective two-year preparation course for the competitive entrance examinations (*concours*) to French business schools (Grandes Écoles de Commerce)
- Focusing on mathematics, geopolitics, philosophy, English and Spanish

Experience

Vocational

Since Apr. 2017 — **Chief Information Officer & Member of the Board**, *Binet Réseau*.
The Binet Réseau is the computer science students' association of the Ecole polytechnique.
- In charge of organizing certain events at school inviting technological startups and companies
- Development of the Binet Réseau's website : `http://br.binets.fr`
- Management of websites used by all students on the campus
- Server administrator

Nov. 2016 – Apr. 2017	**Software Engineer & Project Manager**, *Ministry of National Defense*, Paris. I took part in the development of 3 main projects using collaborative versioning tools (Git) in an agile environment : ○ Developed big data presentation tools, including graphs and statistics : front-end (web interface, AngularJS, Highcharts, D3.js) and back-end (Django, Python, MySQL) ○ Parsing and converting regular expressions from a proprietary format to PCRE : first-hand experience in C ○ Performed unit testing : Python, C

Projects

June 2017 – Apr. 2018	**Software Engineer & Communication Officer**, in collaboration with *EY & Consensys*. Selected by the Ernst & Young Experience Lab and Consensys to work in team with six other students and create an Ethereum Blockchain Explorer. We are trying to evaluate the quality of Ethereum transactions. I have 2 main missions : ○ Responsible for the web interface and the database : Flask, Python, VueJS, MySQL ○ External communication with EY and Consensys coordinators, the École polytechnique's teachers. . .

Miscellaneous

Sep. 2016 – Oct. 2016	**Military Training**, *École spéciale militaire de Saint-Cyr*, (Foremost French army officer academy). During two months, I both developed team spirit and leadership under pressure in highly challenging environment
Jul. 2014 – Aug. 2014	**Trinity Program**, *Regent School*, Cambridge, England. "Trinity courses are designed to have an impact on the present and future life of the student in an international environment". There I developed my written and verbal communication in English.

Computer skills

OS	macOS, Linux (Debian, Ubuntu), Unix Shell, Windows XP/7/10, iOS, Android
Languages	HTML, CSS, JavaScript, SQL, PHP, Python, Java, Scilab, basics of C and Swift (with Xcode)
Libraries	Django, Flask, AngularJS, VueJS, jQuery, Bootstrap, Font Awesome, Highcharts, D3.js
Software	LaTeX, Word, Excel, Powerpoint, Photoshop, Final Cut Pro, Git, VIM, SublimeText
Databases	MySQL, SQLite

Communication

French	Mother tongue	
English	Fluent	*Paper Based TOEFL – 597*
Spanish	Proficient	

Personal interests

Sports	Member of *Polytechnique*'s swimming team, surfing in Biarritz (my hometown), fitness, cycling
Travels	England (London, Cambridge), Spain, Portugal, The Netherlands, Germany, French Guyana
Licences	B (car), A2 (motorycle), "plaisance côtier" (boat)
Future	Mobile app development, Machine Learning, Data Science, travel in the Silicon Valley, entrepreneurship

References

Available upon request.