

# Maxime ELKAEL

Computer Sciences Masters student  
Looking for an internship starting in April

Paris  
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🌐 <https://elkael.com>

## Education

- 2018-2020 **Masters - Algorithmics and Modelisation applied to Sciences**, Université Paris-Saclay  
Web (J2EE, Node.js, HTML/CSS), Databases (MySQL, SQLite), Design Patterns, Algorithmics, Graphs Theory, Modelisation.
- 2014-2017 **Bachelor of Computer Sciences with honors**, Université de Versailles  
Algorithmics, C/C++, Java, System Programming (Linux), Cryptography.
- 2014 **Bac S avec mention.**

## Projects and personal experiences

- On going **DIY Smartphone**, *Conception and realisation of a smartphone based on a PocketBeagle (Linux Single-Board Computer)*,  
Drivers Programming for the peripherals (Blackberry Keyboard, low energy screen, etc), PCB design, precision soldering (reflux and iron)  
Self-learning of new domains (electrical engineering, embedded programming, IoT).
- 2018 **Chatbot for restaurants recommendation**, *Manu le Menu*,  
Scraping and data cleaning. Use of webhooks and of the Facebook Messenger API. Programmed in Python with Django.  
Python (BeautifulSoup, Django), use of APIs, first approach of NLP.
- 2018 **Online portfolio**, <https://elkael.com>,  
Creation of my online portfolio, an interactive replication of the Windows XP desktop  
Javascript (jQuery), HTML, advanced CSS.
- 2017-2018 **Backpack travelling throught South-America**, *Argentina, Chile*,  
Acquired a great autonomy, learned spanish on the spot.

## Professional experiences

- 2019 **Private lessons (Maths/Physics)**,  
Help for homework with highschool students, use of my listening and communication skills.
- 2016-2017 **Collège du Cèdre, Le Vésinet - France**,  
Educational assistant - Overseeing, communication with parents, investing myself in a team.
- 2014 **Agence Laure Josse Immobilier, Le Vésinet - France**,  
IT maintenance.

## Skills and languages

Languages	Python : used for diverse student projects (implementing pagerank, cryptographic attacks, etc)	Embedded Linux programming : mainly in C, familiar with C++, attired by IoT
Web	Java - J2EE (Struts, learning Spring soon), TDD with JUnit	HTML5 - CSS3 - JavaScript
Databases	SQL - SQLite, MySQL	Tools Git, Make AWS, Heroku
Spoken Languages	English - fluent Spanish notions	Soft Skills Autonomous but collaborative Capacity to learn new domains