

Romain Mekarni

Paris

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25 years old - French nationality



Education

- 2017–19 **Master 2 digital security, reliability, performance**, *Sorbonne Université*, Paris.
- **Security**: cryptography, cryptanalysis, side channels attacks, security by design
 - **Computation**: formal and numerical, resolution of systems of linear and polynomial equations
 - **Parallelization**: distribution on cluster of machines and GPUs, accuracy and reliability of results
 - **System**: secure administration, concurrent programming, kernel module development
 - **Project**: study of on-board image processing to detect meteors from space
- 2014–17 **Bachelor in computer sciences**, *Université de Franche-Comté*, with honours.

Professional Experience

- 2019– **Cyber Security Engineer**, *Doctolib*, Paris.
- 2018 **Embedded System research intern** - 3 months, *Observatoire de Paris*, LIP6.
Worked on detecting meteors from a nanosatellite. Implementation of Horn & Schunck's optical flow algorithm in neat time. Low-level arithmetic optimisations (f16, i16).
- 2017 **System administrator** - 3 months, *Mutualist Group*, Besançon.
- 2017 **Web application developer intern** - 4 months, *Interstate 21*, California.
Scrum design and development of a full stack real-time web application by merging Angular and Firebase, using new Google Cloud Functions.

Miscellaneous

- 2018 Tutor in Bachelor C programming skills, *Sorbonne Université*, Paris.
- 2014–16 Manager student team, *Lidl France*, Besançon.

Languages

- French Native language
- English Full professional skill