OLIVIER DEISS
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SUMMARY

- Candidate for a MSc. in Computer Science at Georgia Tech Lorraine
- Professional experience in software development and testing on large-scale projects (Eikon, ∼20M lines of code)
- Experience in version controling and development in teams with *C++*, *Java* and *Javascript*

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY – LORRAINE CAMPUS **Metz, FRA**
Candidate for Master of Science in Computer Science *Aug. 2016 – Dec. 2017*
- Specialization in Machine Learning, courses in artificial intelligence, machine learning, algorithms. GPA: 4.00
- Research: building an API with Hadoop/MapReduce for the classification of images (200 Gb).

SUPÉLEC **Metz, FRA**
Bachelor of Science in Electrical and Computer Engineering *Sep. 2014 – Jul. 2016*
- Courses in algorithms & complexity, computer architecture and software engineering. GPA: 3.93

LYCÉE PIERRE CORNEILLE **Rouen, FRA**
Preparatory Classes *Sep. 2012 – Jun. 2014*
- Intensive program in advanced maths and physics Rank: 1/45

EXPERIENCES

THOMSON REUTERS **London, UK**
Software Developer Intern, Eikon Financial Analysis *Jul. 2016 – Aug. 2016*
- Turned error messages into selling opportunities (up to +$2.3M per year) by implementing a *Polymer* component, easily embeddable in apps, which displays a list of products when users try to access unauthorized content.
- Built demo apps to introduce the feature, using *Node.js*, *Neo4j* and *Python* scripts, and personally presented my work to various cross-functional teams within Thomson Reuters.
- Wrote unit tests (*Mocha*/*Chai*) and thorough documentation, ensuring a wide internal use of the component.
- My work has been shown to James Smith, CEO of Thomson Reuters, and won an internal innovation contest.

INSTRUCTOR LIVE **London, UK**
Full-Stack Developer Intern *Jun. 2015 – Aug. 2015*
- Implemented a new user type on the webserver, integrating the new business model on the back-end logic.
- Heavily reinforced the overall security by switching access restrictions from front-end to back-end.
- Developed a new video player for the Android and Samsung Smart TV apps, supporting a new content provider.
- Designed a workout planner and a calendar module for the front-end on *Angular.js*, encouraging subscriptions.

PROJECTS

BRAIN-COMPUTER INTERFACE **Metz, FRA**
Research at Supélec *Nov. 2015 – Jun. 2016*
- Led a research group through the development of software that performs real-time classification of brainwaves related to the movement of the hands, ultimately achieving 70% of correct classification.
- Architected the solution, from the spectral analysis of brainwaves on *Matlab*, to the algorithm design and its *C++* implementation, using a combination of unsupervised machine learning and signal processing.
- Interpreted the algorithm output with a *ROS* interface, making it possible to pilot a robot by moving the hands.

SELECTED PERSONAL PROJECTS
- *DigitScanner:* implemented a feedforward neural network, a matrix library and the stochastic gradient descent in *C++*, ultimately achieving 98.24% of correct classification on the MNIST dataset.
- *FFTOcean:* implemented an FFT algorithm for the real-time simulation of ocean water in *C++*, with *OpenGL*.

SKILLS, INTERESTS

Programming (advanced): *C++*, *python*, *Java*
Programming (intermediate): *php*, *javascript*
Frameworks: *Angular.js*, *Node.js*, *Polymer*, *Qt*
Softwares: *Git*, *LaTeX*
Languages: English (professional proficiency)
French (native)

GRE: 168/170 (Quant) – 158/170 (Verb) – 4/6 (Writing)

NewbieContest.org: – Rank: 192/41858 (Dec. 2016) – Online hacking, cracking, and coding challenges.

I keep exploring the world, bringing with me the last algorithm book that caught my curiosity. Asia is next on my list. I love pastries, badminton, hiking and biking. I am currently learning the wonderful Go game!