

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 controlling 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.
- Research: building an API with Hadoop/MapReduce for the classification of images (200 Gb).

GPA: 4.00

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*

Softwares: *Git*, *LaTeX*

Programming (intermediate): *php*, *javascript*

Languages: English (professional proficiency)

Frameworks: *Angular.js*, *Node.js*, *Polymer*, *Qt*

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 practice badminton, hiking and biking, and I am always up for positive change: last year I switched to *Vim*, learned touch typing, and totally quit drinking sodas. This year I want to start running and to experiment with a biphasic sleep cycle. I keep exploring the world, and Asia is next on my list!