

## OLIVIER DEISS

6 Rue de l'Enclos – 14112 Périers-Sur-Le-Dan – France  
+1 650-283-0068 – olivier.deiss@gatech.edu  
<http://olivierdeiss.com>

### Summary:

- Candidate for a MSc. in Computer Science at Georgia Tech, expecting to graduate in June 2018
- Professional experience in software development on large-scale, complex projects at Thomson Reuters and Google

### Education

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#### GEORGIA INSTITUTE OF TECHNOLOGY

Atlanta, GA, USA

*Candidate for Master of Science in Computer Science*

Aug. 2016 – Jun. 2018

- Specialization in machine learning, with courses in AI, complexity, and algorithm design GPA: 4.00
- Research (Fall 2016): Setting up a Hadoop cluster for the analysis of rosbags with *C++* jobs (*ROS*)

#### 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
- Master of Engineering to be earned upon graduation from Georgia Tech

#### LYCÉE PIERRE CORNEILLE

Rouen, FRA

*Preparatory Classes – Passed entry exam to Grandes Ecoles*

Sep. 2012 – Jun. 2014

- Intensive program in advanced maths and physics Rank: 1/45

### Experiences

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#### GOOGLE

Mountain View, CA, USA

*Software Engineering Intern, Assistant, Android TV*

Jan. 2017 – Apr. 2017

- Designed and implemented a messaging infrastructure between Assistant Server and Android TV (*C++*, *Java*)
- Integrated this infrastructure as a preferred alternative to Cast, to be used for major media queries on Android TV
- Enabled launching native apps, including YouTube and Netflix, from a query to Google Home

#### THOMSON REUTERS

London, UK

*Software Developer Intern, Technology, Eikon Financial Analysis*

Jul. 2016 – Aug. 2016

- Implemented a module to replace error messages for unauthorized content with a list of available products (*Polymer*)
- Built demo apps to introduce the feature to customers (*Node.js*, *Neo4j*, *Python* and *Mocha/Chai* for unit tests)
- 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

- Developed a new video player for the Android and Samsung Smart TV apps, supporting a new content provider
- Implemented a new user type on the webserver that integrates the new business model on the back-end logic
- Designed a workout planner and a calendar module for the front-end, encouraging subscriptions (*Angular.js*)

### Selected Projects

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#### BRAIN-COMPUTER INTERFACE

Metz, FRA

*Research at Supélec*

Nov. 2015 – Jun. 2016

- Led a research group through the development of software to perform real-time classification of brainwaves (*C++*)
- Achieved 70% of correct classification for simple hand gestures using machine learning and signal processing
- Using a *ROS* node combined with our algorithm, built an experiment where users pilot a robot by moving their hands

#### PERSONAL PROJECTS

- *DigitScanner*: implemented a neural network from scratch, achieving 98.24% of correct classification (MNIST)
- *FFTOcean*: implemented the FFT algorithm for the real-time simulation of ocean water (*C++*, *OpenGL*)

### Skills & Interests

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**Languages:** *C++*, *Java*, *Python*, *Javascript*

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

**Languages:** English, French

**NewbieContest:** Rank: 192/41858 – Online hacking/coding challenges

I love badminton, hiking, algorithms and *C++*. My objectives for this year are to start running, to become a stronger competitive programmer, to contribute to the Linux kernel and to reach 10 kyu level at the game of *Go*!