

## OLIVIER DEISS

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### Summary

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- 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 – Machine Learning

Aug. 2016 – Jun. 2018

Research experience:

GPA: 4.00

- *Fall 2016*: Analysis of rosbags (ROS) with Hadoop and C++ jobs – Research Advisor: Dr. Cédric Pradalier
- *Master's Thesis*: Analysis of EEG for Classification of Seizures – Research Advisor: Dr. Jimeng Sun

#### SUPÉLEC

Metz, FRA

Bachelor of Science in Electrical and Computer Engineering

Sep. 2014 – Jul. 2016

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

GPA: 3.93

#### 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)

#### JUNIOR SUPÉLEC STRATÉGIE

Metz, FR

Technical Consultant

Sep. 2014 – Jun. 2015

- Designed & implemented a quiz module for Aquaknow, an online platform affiliated with the European Commission

### 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 EEG signals (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 (no libraries), achieving 98.24% accuracy on MNIST
- *FFTOcean*: implemented the FFT algorithm for the real-time simulation of ocean water (C++, OpenGL)

### Skills & Interests

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

**Libraries:** Tensorflow, Numpy, ROS, OpenGL, SDL, OpenCV, Eigen, Qt

**Other:** L<sup>A</sup>T<sub>E</sub>X, Matlab, git/p4, bash, Asm

**Web:** HTML/CSS, SQL, Angular.js, Node.js, D3.js, Bootstrap

**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!