

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

GEORGIA INSTITUTE OF TECHNOLOGY

Atlanta, GA, USA

Candidate for Master of Science in Computer Science – Machine Learning

Aug. 2016 – Jun. 2018

- Research (Fall 2016): Setting up a *Hadoop* cluster for the analysis of rosbags (*ROS*) with *C++* jobs GPA: 4.00
- Master's Thesis: detection & classification of non-convulsive seizures using EEG data. I am working on this project under Dr. Jimeng Sun, in collaboration with Massachusetts General Hospital (MGH). We want to combine Deep Learning models with Active Learning, as most of the data is unlabeled.

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

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 Analyst

Sep. 2014 – Jun. 2015

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

Projects

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 on MNIST
- *FFTOcean*: implemented the FFT algorithm for the real-time simulation of ocean water (*C++*, *OpenGL*)

Skills & Interests

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

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

Other: \LaTeX , *Matlab*, *Asm*, *Vim*, *git/p4*, *bash*

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*!