

OLIVIER DEISS

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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

Aug. 2016 – Jun. 2018

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

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
- 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*)

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

Skills & Interests

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, algorithms, hiking, *C++* and learning new things. Last year I switched to *Vim* and learned touch typing. This year my objectives are to start running, to become a stronger competitive programmer, and to reach 10 kyu level at the game of *Go*!