

## OLIVIER DEISS

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### ▷ Summary

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- Candidate for a MSc. in Computer Science at Georgia Tech, expected to graduate in June 2018.
- Professional experience in software development on large-scale, complex projects (Eikon, Google Assistant).

### ▷ 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
- First semester (Fall 2016) on the Lorraine Campus in Metz, France, followed by a Co-op during Spring 2017.
- Research (Fall 2016): set up a Hadoop cluster of five nodes for the analysis of rosbags (ROS) with *C++* jobs.

#### 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 – 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 Engineer Intern, Assistant, Android TV*

Jan. 2017 – Apr. 2017

- Designed and implemented a messaging infrastructure between Assistant Server and Android TV, enabling support for native apps in cross-device scenarios – e.g. queries to Google Home targeting Android TV. (*C++*, *Android*).
- Integrated this infrastructure as a preferred alternative to Cast, now used for some media queries on the TV.

#### THOMSON REUTERS

London, UK

*Software Developer Intern, Technology, Eikon Financial Analysis*

Jul. 2016 – Aug. 2016

- Implemented a component that replaces error messages with a list of available products when users try to access unauthorized content, in all of the platform's apps, turning error messages into selling opportunities (*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 in *C++* that performs real-time classification of brainwaves related to the hands, using machine learning and signal processing, achieving 70% of correct classification.
- Interpreted the algorithm output with a *ROS* interface, making it possible to pilot a robot by moving the hands.

#### PERSONAL PROJECTS

- *DigitScanner*: implemented a neural network from scratch, achieving 98.24% of correct classification (MNIST).
- *FFTOcean*: implemented an FFT algorithm for the real-time simulation of ocean water in *C++*, with *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, algorithms, hiking, *C++* and learning new things. Last year I switched to *Vim* and learned touch typing. This year, I started running and investing too much of my free time in learning the game of *Go*: it's hard but wonderful!