OLIVIER DEISS
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SUMMARY

- Candidate for a MSc. in Computer Science at Georgia Tech
- Professional experience in software development and testing on large-scale projects (Eikon, ∼20M lines of code)
- Experience in version controling and development in teams with *C++*, *Java* and *Javascript*

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, machine learning, 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

GOOGLE   **Mountain View, CA, USA**
Software Engineer Intern, Google Assistant   *Jan. 2017 – Apr. 2017*
- Working on Assistant Server, the *C++* backend for Google Assistant, and on the client-side in *Java*.

THOMSON REUTERS   **London, UK**
Software Developer Intern, Technology, Eikon Financial Analysis   *Jul. 2016 – Aug. 2016*
- Turned error messages into selling opportunities (up to +$2.3M per year) by implementing a *Polymer* component, easily embeddable in apps, which displays a list of available products when users try to access unauthorized content.
- Built demo apps to introduce the feature to existing customers, using *Node.js*, *Neo4j* and *Python* scripts, as well as unit tests with *Mocha/Chai*, and a documentation, ensuring a wide internal use of the component.
- 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 on *Angular.js*, encouraging subscriptions.

SELECTED PROJECTS

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 feedforward neural network, 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

Languages: *C++*, *Python*, *Java*, *Javascript*   **GRE:** 168/170 (Quant) – 158/170 (Verb) – 4/6 (Writing)
Languages: English, French   **NewbieContest:** Rank: 192/41858 – Online hacking/coding challenges.

I practice badminton, hiking and personal development: last year I switched to *Vim*, learned touch typing, and totally quit drinking sodas. This year I am getting into running, I will keep on traveling out of France and learning more about science and algorithms.