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| SUMMARY |  | * Candidate for a MSc. in Computer Science at Georgia Tech Lorraine * 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 – LORRAINE CAMPUS** **Metz, FRA*****Candidate for Master of Science in Computer Science*** *Aug. 2016 – Dec. 2017* Specialization in Machine Learning, with courses in Artificial Intelligence, Machine Learning, AlgorithmsResearch: building an API with Hadoop/MapReduce for the classification of images (200 Gb)**SUPÉLEC** **Metz, FRA*****Bachelor of Science in Electrical and Computer Engineering*** *Sep. 2014 – Jul. 2016*Prestigious French Grande EcoleGPA: 3.93Courses in algorithms & complexity, computer architecture and software engineering**LYCÉE PIERRE CORNEILLE** **Rouen, FRA** ***Preparatory Classes*** *Sep. 2012 – Jun. 2014*   * Intensive program in advanced maths and physicsRank: 1/45 | |
| **EXPERIENCES** |  | **THOMSON REUTERS** **London, UK**  ***Software Developer Intern, 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 products when users try to access unauthorized content. * Built demo apps to introduce the feature, using *Node.js*, *Neo4j* and *Python* scripts, and personally presented my work to various cross-functional teams within Thomson Reuters. * Wrote unit tests (*Mocha*/*Chai*) and thorough documentation, ensuring a wide internal use of the component. * My work has been shown to James Smith, CEO of Thomson Reuters, and Goldman Sachs executives, and won an internal innovation contest.  **INSTRUCTOR LIVE** **London, UK**  ***Full-Stack Developer Intern*** *Jun. 2015 – Aug. 2015*   * Implemented a new user type on the webserver, integrating the new business model on the back-end logic. * Heavily reinforced the overall security by switching access restrictions from front-end to back-end. * Developed a new video player for the *Android* and *Samsung Smart TV* apps, supporting a new content provider. * Designed a workout planner and a calendar module for the front-end on *Angular.js*, encouraging subscriptions.  **JUNIOR SUPÉLEC STRATÉGIE** **Metz, FRA** ***Technical Consultant*** *Oct. 2014 – Jun. 2015* Updated a *Drupal* module for TheEuropeanCommission, aligning its design with the theme of their platform. | |
| **SELECTED PROJECTS** |  | **BRAIN-COMPUTER INTERFACE** **Metz, FRA*****Research at Supélec*** *Nov. 2015 – Jun. 2016*Led a research group through the development of software that performs real-time classification of brainwaves related to the movement of the hands, ultimately achieving 70% of correct classification.Architected the solution, from the spectral analysis of brainwaves on *Matlab*, to the algorithm design and its *C++* implementation, using a combination of unsupervised machine learning and signal processing.Interpreted the algorithm output with a *ROS* interface, making it possible to pilot a robot by moving the hands.**DIGITSCANNER** **Metz, FRA*****Personal project******–******Handwritten number recognition*** *Oct. 2015 – Apr. 2016*  * Implemented a feedforward neural network, a matrix library and the stochastic gradient descent in *C++,* ultimately achieving 98.24% of correct classification on the *MNIST* dataset.  **FFTOCEAN**  **Metz, FRA*****Personal project******– Simulation of Ocean Water*** *Jul. 2014*  * Implemented the Cooley-Tukey FFT algorithm for the real-time simulation of ocean water in *C++*, with *OpenGL*. | |
| SKILLS |  | **Programming (advanced):** C++, java  **Programming (intermediate):** python, php, javascript  **Frameworks:** Angular.js, Node.js, Polymer, Qt | **Softwares:** Git, Matlab, LaTeX, Office  **Languages:** English (professional proficiency)  French (native) |
| TESTS |  | **GRE:** 168/170 (Quant) – 158/170 (Verb) – 4/6 (Writing) | |
| RANKINGS |  | **NewbieContest.org – Online Hacking Challenges:** ranked 192/41858 (Aug. 2016) | |
| INTERESTS |  | I keep exploring the world, bringing with me the last algorithm book that caught my curiosity. Asia is next on my list. I love pastries, badminton, hiking and biking. I am currently learning the wonderful Go game! | |