

Summary

- MSc. in Computer Science from Georgia Tech, MEng. in Electrical and Computer Engineering from Supélec
- Professional experience in software development on large-scale, complex projects at Thomson Reuters and Google

Education

GEORGIA INSTITUTE OF TECHNOLOGY

Atlanta, GA, USA

Master of Science in Computer Science

Aug. 2016 – May. 2018

- Master's Thesis on labeling techniques and interpretability of neural networks, with Dr. Jimeng Sun GPA: 4.0
- *Fall 2016*: Analysis of rosbags (*ROS*) with *Hadoop* and *C++* jobs, with Dr. Cédric Pradalier

SUPÉLEC

Metz, FRA

Master of Engineering in Electrical and Computer Engineering

Sep. 2014 – Jul. 2018

- Bachelor of Science earned in 2016 GPA: 3.9
- Master of Engineering earned with graduation from Georgia Tech in 2018

LYCÉE PIERRE CORNEILLE

Rouen, FRA

Preparatory Classes – Passed entry exam to Grandes Ecoles

Sep. 2012 – Jun. 2014

- Advanced maths, physics and chemistry Rank: 1/45

Experiences

GOOGLE

Kirkland, WA, USA

Software Engineer II – Google Cloud Platform, Persistent Storage

Aug. 2018

- Working on a block device over the network for virtual machines in GCP (*C++*)
- Enabling write-through caching to improve efficiency of read-modify-write requests for Cloud SQL
- Maintaining an internal fork of the device for data-intensive tasks on Borg

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*)

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 EEG signals (*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 (no libraries), achieving 98.24% accuracy on MNIST
- *FFTOcean*: implemented the FFT algorithm for the real-time simulation of ocean water (*C++*, *OpenGL*)

Skills & Interests

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

Other: *LaTeX*, *Matlab*, *git/p4*, *bash*, *asm*

Languages: English, French

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

Web: *HTML/CSS*, *SQL*, *Angular.js*, *Node.js*, *D3.js*, *Bootstrap*

NewbieContest: Rank: 120/46853 – Online CTF challenges