Tiphaine HENRY

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OBJECTIVE Looking for a 6-month internship as a Data Science Intern

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EDUCATION

Institut Mines Telecom Atlantique- MSc in Engineering & MRes in Data Sciences	**Nantes, France**
MSc's Major : Organization & Management of Information Technologies	Sept, 2016- Sept, 2019
University of California – Academic Exchange, Department of Computer Science and Engineering	**San Diego, USA**
Classes: Human Computer Interaction Research, BI Analysis, Machine Learning	Jan- July, 2018
Lycée Chateaubriand- Classe Préparatoire aux Grandes Ecoles	**Rennes, France**
2-year intensive program preparing for the national exam for entry to top French engineering schools	2014- 2016
Fundamental Sciences- Mathematics, Physics, Chemistry- and Philosophy	

PROFESSIONAL EXPERIENCE

Orange Labs – Home Smart Knowledge Project, Research intern   **Rennes, France**
Studied embedded AI accelerators for Deep Learning inference in the context of Smart Homes   Jul - Sept, 2018
- *Monitored an industrial and academic watch on embedded AI processors*
- *Benchmarked Intel's Movidius Neural Processing Accelerator, deploying neural networks on a Raspeberry Pi3 (Debian, TensorFlow)*
- *Developed a standardized test bench for benchmarking AI Chips during inference cycles in collaboration with the Ecole Polytechnique*

Orange Labs – IoT intern   **Rennes, France**
Integrated an R&D team working on LoRa (Long Range Emission) network technologies   Dec, 2017
- *Conducted GPS Lift Analysis and Measurements according to different configurations of the devices*
- *Analyzed geo-location data emitted by 50 devices with Excel*
- *Implemented and exploited two databases (Excel Access and MySQL)*

BNP Paribas – Banque Nationale de Paris - Digital banking intern   **Rennes, France**
Trained customers to transition from in-bank services to full service online banking   Dec, 2017
- *Helped clients getting familiar with the bank app and new functionalities available in the ATM*

Alter'Actions - Junior Consultant   **Nantes, France**
Carried out an advisory mission for Social Solidarity Economy actors   Sept, 2016-Feb, 2017
- *Realized the internal diagnosis of the operational strategy: feasibility study and project opportunity*
- *Result : 1,000 boxes sold during the first launch*

IT SKILLS AND LANGUAGE ABILITIES

Programming Languages	Unix, Java, Python, JavaScript, HTML, CSS, Jason, AngularJS
Frameworks	jQuery, Bootstrap, Unity, Gatsby, TensorFlow
Tools	Git, Node.js, React, Heroku, MySQL, R, Tableau, Raspberry Pi3
Languages	French- native	English– fluent (IELTS: 8/9)	Spanish- fluent

PROJECTS & AWARDS

Artificial Intelligence Challenge, Institut Mines Telecom. 1st Prize   July, 2018
- Entrepreneurship Hackaton in Paris, development of a startup with an AI core strategy

Women Centric Hackaton, University of Californian San Diego. Northrop Grumman Prize   April, 2018
- Development of an AR app implementing a reward system based on the results of a pedometer (Unity)

Development of an interactive web map displaying walking paths based on safety data   Jan– March, 2018
- Created the skeleton of the app using paper prototypes and low-fidelity mock-ups   1 quarter | 3 people
- Implemented Google Maps APIs into the framework
- Realized the front-end design using CSS, HTML, AngularJS, JQuery and JavaScript
- Performed and analyzed controlled experiments online with Google Analytics

Statistical analysis of 2016 greenhouse gases data using R software   Nov– Dec, 2017
- Compared the results given with the Principal Component Analysis and the Descending Hierarchical Classification analyzing the lines of business, countries and incomes   2 months | Individual

Development of an Information System enabling the management of Enos configurations   Oct – Nov, 2017
- Implemented CSS and Flask frameworks   1 month | 2 people
- Worked on the design and ergonomics of the system

EXTRA-CURRICULAR ACTIVITIES

Volunteering	**Student Union- Leader of the yearly students trip**
	• 7,000$ budget. Organization and monitoring of the group
	ASF (Atlantique Sans Frontières) Union- Academic support given to Syrian refugees
	• Weekly lessons in French and introduction to the French culture
Sport	**Rennes-Saint-Jacques Aero Club**
	• Private Pilot License obtained in 2012