Tiphaine HENRY

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OBJECTIVE	Looking for a 6-month R&D engineering internship

EDUCATION

Institut Mines Telecom Atlantique - MS in IT Engineering and MRes in HCI Engineering Organization & Management of Information Technologies, Information Systems, Data Analysis	Nantes, France 2016- 2019
University of California – Academic Exchange, Department of Computer Science and Engineering Human Computer Interaction Research, BI Analysis, Machine Learning	San Diego, USA 2018
Lycée Chateaubriand- Classe Préparatoire aux Grandes Ecoles Fundamental sciences and Philosophy - 2-year intensive program preparing for the national exam for entry to top French engineering schools	Rennes, France 2014- 2016

PROFESSIONAL EXPERIENCE

AI Research intern, Orange Labs
Studied embedded AI accelerators for Deep Learning inference in the context of Smart Homes
  ▪ Monitored an industrial and academic watch on embedded AI processors
  ▪ Developed a standardized test bench for benchmarking AI Chips during inference cycles (deployed on a Raspberry Pi3 and PC. Bash & Python Scripts. Caffe and Tensorflow implementations)
	Rennes, France
	2018, 3 months

IoT Research intern, Orange Labs
Integrated an R&D team working on LoRa (Long Range Emission) network technologies
  ▪ 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)
	Rennes, France
	2017, 1 month

Digital banking intern, BNP Paribas Trained customers to transition from in-bank services to full service online banking ▪ Helped clients getting familiar with the bank app and new functionalities available in the ATM	Rennes, France 2017, 1 month
Junior Consultant, Alter'Actions Carried out an advisory mission for Social Solidarity Economy actors ▪ Realized the internal diagnosis of the operational strategy: feasibility study and project opportunity. 1,000 boxes sold during the first launch.	Nantes, France 2016, 6 months

IT SKILLS AND LANGUAGE ABILITIES

Programming Languages **Frameworks** **Tools**	Unix, Java, Python, HTML, CSS, JavaScript, AngularJS, React jQuery, Bootstrap, Unity, Gatsby, TensorFlow, Caffe Git, Heroku, MySQL, R, Tableau
Languages	French- native	English– fluent (IELTS: 8/9)	Spanish- fluent	Japanese - notions

IT PROJECTS

Elaboration of a dashboard monitoring economic and social performances of African Countries ▪ Selection of KPIs, preprocessing of data, modelisations with Tableau	2018, 1 month
Statistical analysis of 2016 greenhouse gases data using R software ▪ Compared the results given with the Principal Component Analysis and the Descending Hierarchical Classification analyzing the lines of business, countries and incomes	2017, 2 months

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

Development of an Information System enabling the management of Enos configurations ▪ Implemented CSS and Flask frameworks, worked on the design and ergonomics of the system	2017, 1 month

EXTRA-CURRICULAR ACTIVITIES

Hackatons	**Artificial Intelligence Challenge, Institut Mines Telecom. 1st Prize** Entrepreneurship Hackaton in Paris, development of a startup with an AI core strategy **Women Centric Hackaton, University of Californian San Diego. Northrop Grumman Prize** Development of an AR app implementing a reward system based on the results of a pedometer (Unity)
Volunteering	**Student Union- Leader of the yearly students trip -** 7,000$ budget. **ASF (Atlantique Sans Frontières) Union -** Academic support given to Syrian refugees
Sport	**Rennes-Saint-Jacques Aero Club -** Private Pilot License