PAUL ESTANO

paul.estano@inria.fr (professional) ⋄ paul.estano@gmail.com (personal)
+33 6 77 19 67 79 (personal) ⋄ +33 2 99 84 22 91 (professional)
Linkedin: www.linkedin.com/in/paulestano ⋄ Github: www.github.com/paulestano

EDUCATION

Selected Coursework
Deep Learning, Machine Learning, Statistical Machine Learning, Computer Vision, Digital Signal Processing, Probabilities, Statistics & Numerical Methods, Information Theory, Algorithmics, Ai & Big Data

Universite de Rennes 1, Rennes France *February 2022 - Current*
PhD candidate
Computer Science

Georgia Institute of Technology, Atlanta Georgia *January 2019 - December 2020*
Master of Science
Electrical & Computer Engineering

ENSEA, Cergy France *August 2016 - July 2020*
Master of Engineering,
Ecole Nationale Superieure de l'Electronique et de ses Applications

WORK EXPERIENCE

Inria, Rennes *February 2022 - Current*
Research Assistant
Supervised by S.I. Filip, Prof. G. Gravier E. Riccietti
Work on unconstrained and stochastic optimization methods under dynamic accuracy. My end goal is to design deep learning optimizers with good convergence guarantees in finite and dynamic precision arithmetic in order to enhance energy efficiency.

Arm, Manchester *February 2021 - February 2022*
Graduate Software Engineer
Work in the Mali GPU software team. More specifically I work on the driver of Mali GPU G78AE and the virtualisation of Mali GPU G52, G76 and G78AE.

Georgia Institute of Technology, Atlanta *January 2020 - May 2020*
Graduate Research Assistant
Developed algorithms and applications using AI for automatic detection and recognition/classification of transportation assets, including signs, pavement markings, guardrails, pavements, etc. and their condition assessment (e.g. retro-reflectivity, distresses, etc.) using 2D image and 3D lidar cloud data.

SAP, Paris *June 2019 - December 2019*
Software Engineer Intern
Worked on SAP Intelligent Robotic Process Automation (IRPA) backend. More specifically, I built a user data analytics tool for the data management team of the application (repository team).

Georgia Tech Lorraine, Metz *January 2019 - May 2019*
Graduate Teaching Assistant
Supervised 20+ students for a semester during Digital Electronics labs (ECE - 2031 Digital Design Lab).

General Electric Healthcare *April 2018 - August 2018*
Software Engineer Intern
Implemented multiple tools facilitating the use of a cloud medical imaging platform developed by General Electric.

SKILLS

Programming Languages Python, C/C++, Java
Frameworks & Libraries Pytorch, JAX, Scikit-learn, Scipy
Interests Continuous Optimization, Signal Processing, Machine Learning, Deep Learning, Kernel development