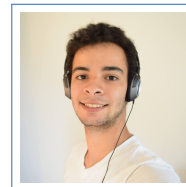


Gaétan Bahl

PhD student in Computer Science

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Education

- 2019–2022 **PhD in Computer Science**, *Université Côte d'Azur - Inria - IRT Saint-Exupéry*.
Deep Learning architectures for onboard satellite image processing.
- 2016–2017 **MSc in Industrial and Applied Mathematics**, *Université Grenoble Alpes*.
Modelling, Scientific Computing and Image analysis.
- 2014–2017 **Engineering Degree**, *Grenoble Institute of Technology - ENSIMAG*, Grenoble.
Mathematical Models, Imaging and Simulation.
- 2012–2014 **Classe Préparatoire in Maths, Physics**, *Lycée Kléber*, Strasbourg.
Intensive studies preparing for highly selective "Grandes Ecoles" entrance exams.
- 2009–2012 **Baccalaureat in science**, *Lycée Stanislas*, Wissembourg, High Honors.

Professional experience

- 2017–2019 **Image Processing Software Engineer**, *Meritis PACA*, Sophia Antipolis.
Subcontractor at Airbus Defence and Space:
Development of an aerial image processing pipeline on Google Cloud (C++, Go, Bash, Python).
Semantic labelling of 3D city models using Deep Learning (Python, Tensorflow/Keras).
- H1 2017 **Master's Thesis**, TIMC-IMAG Laboratory GMCAO, CHU de Grenoble.
Computer Assisted Medical and Surgical Interventions team.
Built a surgery simulator for fracture reductions (Java, Artisynt, Git).
- Summer 2016 **Software Engineering Intern - Ecosystems**, ARM, Cambridge.
ARM Compute Library: Implemented and optimized computer vision algorithms using NEON instructions.
Built a fast computer vision app on Android (Java, C++, JNI).
- 2015–2016 **Quality Manager**, Nsigma Junior-Entreprise.
Quality management in a small consulting firm run by students (Python, MS Office, Latex).
- Summer 2015 **R Developer/Statistician**, CEA Grenoble, Biomics lab.
Built an R Bioconductor package for High Throughput Screening result analysis.

Qualifications

Math	Numerical Optimization, Operations Research, Simulation, Mathematical Modelling, Statistics, Imaging, Signal Processing	Programming	Python, C, C++, Golang, R, Java, Matlab, Bash, Tensorflow/Keras, Pytorch
OS	Linux, Windows, Android	Tools	Jira, Git/SVN, L ^A T _E X, Office
Creation	Reason, Adobe Lightroom	Hardware	PC Hardware, Electronics, Arduino

Others

- 2015–2016 **Secretary**, *Ensimag Student Union*.
- 2014–2016 **President and Founder**, *Ensimag Gaming*.
 - English TOEIC 990 / TOEFL 102
 - German Niveau A2
 - Piano Conservatoire de Strasbourg amateur track, 2014
- Trombone Played in symphonic orchestra, concert band, marching band, jazz band
- Hobbies Photography, Music, Video/Tabletop games