Christophe AUGUSTO
55, avenue P. Vaillant-Couturier, 91700 STE GENEVIEVE DES BOIS
06 76 05 15 72 ▪ christogusto@free.fr
26 years old

Biomedical engineer

Serious / Good adaptation capacities / Curious

PROFESSIONAL EXPERIENCE AND PROJECTS

2016 ▶ **Bürkert Werke GmbH (Ingelfingen, Germany): R&D trainee** (5 months)
Modeling, simulation and experimental validation of a microfluidic flow sensor, intensive use of Comsol Multiphysics and Matlab – **parameters study, model creation, data treatment** – **specifications approved**: conclusions on the feasibility, future test will conclude the study. **Patent application** for the new sensor.

2015 ▶ **Strasbourg Institute of University Hospitals (IHU): engineer trainee** (3 months)
Feasibility tests on a medical device for digestive tract leakage detection after surgery – **protocol design, parameters study, data treatment** – **specifications approved**: conclusions on the feasibility.

2015 ▶ **Project at Telecom Physique Strasbourg: "Aortic remodeling for Type B aortic dissections"**
Segmentation of the aorta on scanner images in Python – **specifications approved**: graphic interface, segmented aorta, surface measures.

2014 ▶ **Strasbourg CHU, New Civil Hospital (NHC): stretcher bearer** (1 month)

2013 ▶ **Project at Telecom Physique Strasbourg: "Living cell modelisation"**
▪ Simulation of the cell's process under Matlab – **specifications approved:** tested with logic gates, but very slow program.
▪ Translation into Python – display of the concentration curves - **specifications approved**: faster and multiplatform program.

CURRICULUM

2012-2016 ▶ **Engineer in Information and Communication Techniques for health from Telecom Physique Strasbourg and Master in Micro and Nano Electronics from Strasbourg's University**
Microfluidics, computer-aided design, electronics, computer programming, biomechanics, synthetic biology, embedded systems.

2009-2012 ▶ **Preparatory Classes for Engineering Schools (PC) at ENCPB (Paris 13°)**

2006-2009 ▶ **High-School diploma in science at Lycée A. Einstein, Ste-Geneviève-des-Bois**

PROGRAMMING & FOREIGN LANGUAGES

▶ **Programming languages :** Python, C, C++, SQL, VHDL-AMS
▶ **Software :** Matlab, Comsol, KNIME, Cadence, Hyperworks, LabVIEW, Coventor, Quartus, Access
▶ **English :** TOEIC graduate with 975 points
▶ **Spanish :** intermediary level, B1

INTERESTS

2009 ▶ **Neige et soleil, Holiday center in Bramans, Savoie: camp counselor (BAFA)**
Supervision of children and young adults.

2015 ▶ **President of the TIT Strasbourg association**, association that organizes the Inter-Télécoms Tournament, a sporting event for the Mines-Télécom Institute schools.

2014 ▶ **President of the Poly Strasbourg association**, in charge of creating festive and sporting events for the eight Engineering schools in Strasbourg.

2014 ▶ **Art Club Member** at Telecom Physique Strasbourg, organizing cultural outings: theatre plays, museums, concerts.

▶ **Sports and hobbies:** roller-hockey, volleyball and rock-climbing. Practicing self-educated guitar, interested in music, drawing, biology and astronomy…