



Diana Khalipina

👤 27 ans
📍 Paris, France
🗨 Languages: English, French

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EDUCATION

2017–2019	M2 Biomechanical engineering ÉCOLE POLYTECHNIQUE · Paris, France 📍 Modeling of biological systems and their control; determination of passive and active mechanical properties of embryonic tissues
2016–2017	M1 Advanced Materials Engineering. Physics track CENTRALE SUPÉLEC · Paris, France 📍 Determination of materials' physical properties
2013–2016	Bachelor in biotechnical systems and technologies BAUMAN MOSCOW STATE TECHNICAL UNIVERSITY · Moscow, Russia 📍 Electrical engineering, image analysis, medical software and hardware development
2019–2015	Engineering degree BAUMAN MOSCOW STATE TECHNICAL UNIVERSITY · Moscow, Russia 📍 Continuous training in mechanical engineering focused on vehicles, transport and production management

WORK EXPERIENCE

2018–now	Self-employed WEB DEVELOPMENT AND DESIGN · Paris 📍
2018	Matière Systèmes Complexes (MSC) UNIVERSITÉ PARIS DIDEROT · Paris, France 📍 Determination of passive and active mechanical properties of embryonic tissues
2016–2017	MSSMat lab CENTRALE SUPÉLEC · Paris, France 📍 The study of the structure-properties relationship of human dentine
2015–2016	Cardiolab CAVE-lab UNIVERSITÉ D'AARHUS · Aarhus, Denmark 📍 Optimization of in vitro models of studies on cardiac valves, realization of experiments on aortic valves with blocked and intact sinuses of Valsalva, creation of devices for cardiac contractions

ABOUT ME

I'm biomedical engineer and I create health kits to help everybody to take care of health in easy and cheap way. I'm biomedical engineer and I create health kits to help everybody to take care of health in easy and cheap way.

CONFERENCES AND PUBLICATIONS

Sep. 2019	"Smooth muscle contractility causes anisotropic growth of the intestine", at: <i>Royal Society Journal</i> in London, 2019.
Jul. 2017	Project presentation "Structure-properties relationship in human dentin in 3D models" <i>SFBD conference (Société francophone des biomatériaux dentaires)</i> in Paris.
Feb. 2016	"Poster presentation "Optimization of an in vitro model for research on heart valves", at: <i>26th scientific meeting Meeting of the Scandinavian Society for Cardiothoracic Research Surgery (SSRCTS)</i> in Norway.
Sep. 2015	"Poster presentation "Development of a new in vitro model for endoscopic research of pig hearts", at: <i>Dansk Medicoteknisk Selskab</i> in Denmark.

COMPETENCES

Hardware	Arduino, Micro:bit, Raspberry Pi
Software	MIT App Inventor, LabView, Matlab
Mechanics	Solidworks, Autocad
Languages	Python, C++, HTML5, php
Design	Photoshop, Illustrator, Canva
★★★★★	Engineering
☆★★★★	Design
★★★★★	Web development
☆★★★★	Analysis
★★★★★	Hardware
☆☆★★★★	Coding