




PASCAULT Sébastien


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Engineer: Computer scientist - Robotic engineer - Computer graphics designer

Specialities: Human Machine Interfaces - Mixed Reality - Serious Gaming - Unity 3D

WORK EXPERIENCE

2020-2023	CEA List - Fixed-term contract - 3 Years Development in Unity 3D of a prototype for automatic recognition of kinematic links in 3D models. SolidWorks C# API, Mixed reality, spatial geometry and deep learning.	Laboratory for Integration of Systems and Technology Paris Saclay - France
2019-2020	Tô&Guy - Free Lance - 6 Month Development in Unity 3D of a virtual reality fashion simulation and a cross-platform application for the sale of customisable clothing (C# - PHP - MySQL - PrestaShop - Drupal).	Manufacturer and designer of innovative clothing Paris - France
2019	AIRBUS Operations SAS - Research Department - Stage - 6 Month Simulation and optimisation of the trajectories of a mobile and autonomous cobotic system applied to an aircraft in a multi-constraint industrial environment.	Multinational aerospace company Saint-Nazaire - France
2018	Institute of Computer Graphics and Vision - Internship - 3 Month Research project on the development of technological tools for control and interaction used in virtual and augmented reality applications	ICG - TU Graz University of Graz Graz - Austria
2017	ABMI Bourgogne - Internship - 3 Month Development of an application in mixed and augmented reality Work ergonomics - Analysis and recognition of movements	Innovation and engineering company Chalon-sur-Saône - France
2015	TL Systems - Internship - 3 Month Macro programming in Excel (visual basic), network analysis (Wireshark) Web and mobile application development (Java, PHP, HTML, CSS)	Telecom, computing and network company Maxéville - France
2014	Winner of the competition "create your FST logo" and author of the new logo of the Faculty of Science and Technologies of Nancy, released with Adobe Illustrator	University of Lorraine Nancy - France

SKILLS

Software	Office:	Microsoft Office : Word - Excel - PowerPoint LibreOffice : Writer - Calc	<div><div></div><div></div><div></div><div></div><div></div></div>
	Adobe software:	Photoshop Illustrator - After Effect - Premiere Pro	<div><div></div><div></div><div></div><div></div><div></div></div>
	Graphic engine:	Unity 3D	<div><div></div><div></div><div></div><div></div><div></div></div>
	3D software:	Maya - 3DS Max - Zbrush - CATIA - SolidWorks - CLO3D	<div><div></div><div></div><div></div><div></div><div></div></div>
	Mobile:	Xcode - Android Studio	<div><div></div><div></div><div></div><div></div><div></div></div>
Programming	Common:	Python - C - C++ - C# - Java - Visual Basic	<div><div></div><div></div><div></div><div></div><div></div></div>
	Web:	HTML - CSS - PHP - MySQL - Javascript - JQuery - Drupal	<div><div></div><div></div><div></div><div></div><div></div></div>
	Automation:	Ladder - SFC - ST - Grafset - List	<div><div></div><div></div><div></div><div></div><div></div></div>
Languages	English:	TOEIC - 830 points	<div><div></div><div></div><div></div><div></div><div></div></div>
	German:	B1 Level (Deutsches Sprachdiplom)	<div><div></div><div></div><div></div><div></div><div></div></div>
Additional	Algorithms and programming. Mixed reality. Proficiency in CAD and CAM. Knowledge of engineering techniques. Scientific reasoning. Project management skills. Drawing skills.		

EDUCATION

2017-2019	Engineering degree : Automated Systems and Computer Engineering (SAGI) Double degree : Master of Science in Dynamic Systems and Signals (SDS) IT engineering, industrial automation, mobile robotics, machine-learning Specialisation in Human-machine interface, virtual and augmented reality	Polytech Angers Engineering School University of Angers Angers - France
2016-2017	Master of Science : Management of 3D Interactive Technologies (MTI3D) Image processing, computer graphics, Unity 3D development and programming Virtual and augmented reality, pattern recognition and biometry	Institut Image - ENSAM Arts et Métiers ParisTech Chalon-sur-Saône - France
2013-2016	Bachelor of Science in Engineering (SPI-EEAPR) Programming (C, C++, Python, HTML, CSS, PHP) and network architecture In-depth knowledge of automation and electronics	Faculty of Sciences University of Lorraine Nancy - France
2011-2013	PACES (first year of medical studies) Basic knowledges in biochemistry, organic chemistry and cytology	Medical School Nancy - France
2011	High School Diploma in Science Life science specialty, European section in German	St-Sigisbert High School Nancy - France

INTERESTS

Sports	Tennis, bike, alpine ski, snowboard
Hobbies	Computer graphics: Drawing - Charac. design Reading: SF novels