

Adélaïde GRIMAUD

EDUCATION

- Institut Image (Arts et Métiers Research laboratory), Châlon-sur-Saône, France** 2016 - 2017
Master of Science in Computer Science, focused in management of interactive 3D technologies, with honors
Majors: virtual reality, 3D design, numerical modelling, programming
- Arts et Métiers (Engineering School), Metz, France** 2014 - 2017
Master of Engineering in mechanical and industrial engineering
Majors: mechanics, materials and manufacturing processes
- Ecole Catholique des Arts et Métiers (Engineering School), Lyon, France** 2012 - 2014
A two-year undergraduate program in mathematics, physics, mechanics and design

EXPERIENCE

- Brigham & Women's Hospital, Harvard Medical School, Research trainee** Sept 2017 - present
SPINE virtual laboratory: development and accessibility of a medical database
Developed a more efficient version of SPINE with special attention to the sustainability of the platform
- Brigham & Women's Hospital, Harvard Medical School, Research trainee** March 2017 - Aug 2017
SPINE virtual laboratory: development and accessibility of a medical database
Implemented a virtual reality application to annotate and segment SPINE MRIs through crowdsourcing
Developed a virtual reality tool to help surgeons perform Laparoscopic Surgery
Connected external applications to SPINE to expand the database
- Institut Image and Clinea, Senior Project, Research collaboration** Nov 2016 – Jan 2017
Treatment of driving phobia by virtual reality
Studied the impact of the screen size on patient implication
- Comepa Industries, Thermostat manufacturing, Assistant executive engineer** June – Sept 2016
Developed Visual Basic production tools to automatically gather data needed by workers and update a database
Researched, developed and implemented mechanical control tools which reduced scrap rates by 25%
Upgraded molds for a specific type of thermostat
- Qualiconsult, Regulatory consulting firm, Technical engineering** Aug 2015
Managed all aspects of a client engagement with a retail chain consisting of over 50 public places
Reviewed and analyzed building structures to ensure alignment with new regulatory policies for fire safety and accessibility
Planned the construction work and budget necessary to achieve compliance within 3 to 6 years
- My Green Shop, Management of vending machines, Logistical assistant** Feb 2015
Coded a complete Visual Basic logistic application which reduced 30% of the company wasted products and 100% of critical stocks
- Société Roannaise de Mécanique (SOROME), Mechanical factory, Production internship** June 2013
Managed and implemented proper control tools for each worker post, saving half an hour of production per day

SKILLS

Languages: French (native), English (proficient ~ TOEIC: 925/990), Spanish (working knowledge)
Programming: C#, React.js, HTML, CSS, Visual Basic, Visual C++
Software skills: Unity and Autocad 3DS Max (3D Design), Pack Office, Catia V5 and Solidworks (CAD), Abacus (FEA)

LEADERSHIP

President of the International Relationship Team (2015-2016)
Led the entertainment activities for a 130.000€ budget sporting event (42nd edition of GUAI, France) with over 1,000 students
Sports: Captain of the women's basketball team of the Campus of Arts et Métiers (2015), Swimming, Archery, Snowboarding
Travels: Australia, Germany, England, Croatia, Thailand, Malaysia, Singapore, Namibia, Senegal, Madagascar, Canada