

Charles ILIEFF

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Developer

Studies

March - December 2021: **BGE Sud-Ouest and UDEMY, Application development.**

- Database modeling (**MySQL, NoSQL**)
- API and Webservice: deploy an APU or a Web-service
- Mobile application development
- **JavaScript** web development (**React, TypeScript**)
- Architect code: flowcharts and common patterns
- Problem-solving, researching, workflows
- Modern back-end stack: **Node, Express, MongoDB**
- Java development **Spring, JEE**

2010 - 2011: **Master 2 MSAS at UPS, Toulouse, Materials and structures for aeronautics and space.**

- Structure: static, fatigue finite element simulation
- Structural, physic-chemical, electronic and optical properties of materials and nanomaterials

2010 - 2011: **Final year of INSA abroad, Valencia (Spain)**

2004 - 2009: **French diploma of from INSA, Materials and Nanotechnology, Master's degree. Rennes, France**

Skills

Computer science:

- Software: Microsoft Office, Eclipse, Visual Studio Code.
- Programming: Java, CSS3, HTML5, JavaScript, (React, Node.JS)
- Database: MySQL, NoSQL
- Good knowledge of Linux/UNIX

Structure analysis: Patran/Nastran, Solidworks,

Languages

French 

English 

Spanish 

Experiences

December 2018 - March 2019, **Barista at Augusto Lisboa,** Lisbon - Portugal

August 2018 - November 2019, **Waiter at HB bronze Coffeebar,** La Paz - Bolivia

May 2015 - June 2018, **Structural engineer for Altran,** Toulouse - France

- Study and design of the air intake and NAI system of Boeing 777
- FEM meshing, testing and validation from design, static and fatigue calculation

June 2014 - December 2014, **Road trip through USA and Canada,**

- Volunteering in organic farms
- Organization of the participation of 20 people at the Burning Man

October 2013 - May 2014, **Structural engineer in Alten,** Toulouse - France

- Study and design of the air intake of Airbus A320 Neo
- FEM meshing, testing and validation from design, static calculation

September 2011 - September 2013, **Structural engineer in Sogeti High Tech,** Toulouse - France

- Study the residual static strength under tension, compression and compression-shear of structure after an uncontained engine rotor failure
- Check the static strength of frames, panels and stringers
- Analysis of results and preparation of technical notes in English

February - July 2011, **Internship at Sintef,** Oslo - Norway

- Development of material for proton conducting fuel cells

March - September 2010, **Internship at Accener,** Valencia - Spain

- Sizing of photovoltaic power plant

2005 - 2009, **Two years in charge of the student association,** Rennes - France

Other

Hobbies: Ski, sailing, mountain hiking, cook, video games, motorcycling

Travel: Enthusiastic to discovering new cultures and new lands, I travel as soon as the opportunity arises (USA, South America, Croatia, Morocco, Zimbabwe, and Cambodia)