

Paul MESNILGRENTE

25 years old

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Valid working holiday visa: 31/08/2019

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Personal statement

I previously worked as software engineer in robotics and web development for a cloud robotics company. Organized and positive, I am always motivated for new challenges. I am mostly effective in: web development, computer vision, machine learning.

Employment history

JOBS

Software developer in “Ortelio Ltd” – Remote from France

June 2017 → August 2018

- Blockchain development with EOSIO
- Front end development with **ReactJS**

Software developer in “Ortelio Ltd” – Coventry, England

April 2017 → May 2018

- Computer vision and machine learning:
 - **C++ (6 months):** Boost, OpenCV with CUDA
 - **Python (6 months):** OpenCV, use of Caffe2/TensorFlow models
 - **Services:** Face detection, face alignment, face recognition, human detection, object detection, object recognition
- Web development:
 - Full stack (**Symfony**) to register people in events with a video of their faces
 - Full stack (**NodeJS with express**) to demonstrate the API capabilities
- Manage a project for Ericsson’s 5G promotion from the specification to the delivery



Full stack developer in “Dans ma librairie” – Agen, France

June 2013 → August. 2013

- Create a full website for a book shop including different features: newsletter, best sellers, book of the month, podcasts, product presentation...



Tennis trainer and receptionist in “Village kinder” – Temple/Lot, France

Six to seven weeks summer job in 2009, 2010, 2011

- Train a group of 18 children in collaboration with another coach
- Organize special events with professional players
- Reception of all the phone calls from parents, manage orders and visitors

Cheese seller on the market in “La ferme du Baylou” – Dolmayrac, France

- Advise clients on the market
- Manage the money on the market

INTERNSHIPS

Software developer in the ELIPSE team of “IRIT” – Toulouse, France



April 2016 → July 2016

- Create a flexible tracking system of patterns formed from infrared LEDs in **C++ OpenCV**
- Skills: **computer vision** (detecting, tracking, identifying), development

Software developer in “Bull” closely with “GFI” – Toulouse, France



March 2013 → June 2013

- Automatic audio files downloading by SFTP
- Technologies used: JavaEE, Spring, Hibernate

PERSONAL PROJECTS

Face utils – <https://github.com/paul-mesnilgrete/face-utils>

- Library including **computer vision** around faces: detection, alignment, recognition, landmarks
- Technologies used: Python (OpenCV, **Dlib**, **TensorFlow**)

Maze solver (using the machine learning algorithm: QLearning)

- Technologies used: Java with Swing
- Features:
 - Interface shows the maze and the robot moving in it. The history of exploration/exploitation is kept in memory to replay it.
 - Maze builder, maze generator, maze solver
 - Qlearning with customization of parameters (ratio exploration/exploitation, number of steps in the maze etc.)

National contest won in team (2016): nuitdelinfo.com (point&click game around natural disasters)

Education and qualifications

Master’s degree of engineering

September 2014 → September 2017

Robotics and Interactive System – UPSSITECH – Toulouse, France



2nd year of license

September 2013 → June 2014

Software development– “University Paul Sabatier” (UPS) – Toulouse, France



Associate’s degree

September 2011 → June 2013

Computer sciences – “University Paul Sabatier” (UPS) – Toulouse, France



Personal interests and activities

Hobbies: Tennis/badminton competition, amateur guitar and piano, online chess

Speaking languages: Native **French**, fluent **English** (TOEIC score: 925)

Referees

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