

# IACOPO CATALANO

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Rome, Italy

 **Personal Web Page**  
 iacopomc  
 iacopocatalano

## SKILLS

**Programming:** Python, Java, C++, SQL, Matlab

**ML/DL:** Tensorflow, Scikit-Learn, OpenCV

**Languages:** Native Italian, Proficient English, Intermediate French

## PROJECTS

### Advanced Lane Finding

- Created a robust image processing pipeline for detecting highway lane in a video using OpenCv.
- Calculated car position within lane and lane radius of curvature based on coefficients of polynomial fit.

### Basic Lane Finding

- Utilized OpenCV to create a simple image processing pipeline for detecting lane lines in images and videos using Canny Edge Detection and Hough Transform line detection.

## PROFESSIONAL EXPERIENCE

### Accenture

**Rome, Italy**

#### Junior Data Scientist

1/2020 – current

- Researching and adapting existing algorithms in Computer Vision
- Conducting exploratory data analysis
- Supporting Senior Data Scientists in algorithm design

### Accenture

**Rome, Italy**

#### Front-end Web Developer

2/2019 – 1/2020

- Developed new web applications using Angular, Bootstrap, Angular Material and Javascript
- Redesigned existing web applications to improve browser compatibility
- Oversaw new interns on project milestones

### Accenture

**Rome, Italy**

#### Front-end Web Developer (Intern)

9/2018 – 2/2019

- Worked with Senior Developers to manage large, complex design projects
- Assisted team with testing code on multiple browsers

### Appen

**Italy**

#### Web Search Evaluator (Independent Contractor)

8/2017 – 8/2018

- Conducted research, evaluation, and feedback on search engine results by measuring the relevance and usefulness of web pages in correlation to predefined queries both in the Italian and American market

## EDUCATION

### Sapienza University of Rome

**Rome, Italy**

#### B.Sc. Physics

2010 - 2018

## RELEVANT COURSEWORK

**2020:** Deep Learning, a 5-course specialization by deeplearning.ai: CNN, GAN, RNN, NLP(LSTM), Embeddings

## VOLUNTEER EXPERIENCE

### AGESCI

Rotondi, Italy

#### Team Coordinator

2001 - 2015

- Coordinated, mentored, and trained several scout groups of different ages
- Led weekly meetings and organized yearly summer camps
- Secured parent involvement and participation in activities
- 2007 – 2009 Volunteer Stretcher (Patient Care) for U.N.I.T.A.L.S.I. Association