

## Computer scientist

Transcrime is the Joint Research Centre on Transnational Crime of the Università Cattolica del Sacro Cuore in Milan ([www.transcrime.it](http://www.transcrime.it)), and is a leading international centre of criminological research with a growing and young staff of 25-30 people. In 2015 Crime&tech srl, the spin-off company of Università Cattolica and Transcrime ([www.crimetech.it](http://www.crimetech.it)), was established, with the aim to transfer Transcrime research into IT tools and models for public institutions and private companies.

Transcrime and Crime&tech are looking for brilliant and proactive computer scientist to be involved in the activities of the centre and of the spin-off company. In particular we are seeking people able and interested to:

- Work closely with the other researchers (statisticians, mathematicians, economists, social scientists) and support their activity;
- Develop computational models in the area of illicit markets, organised crime, economic crime;
- Develop risk-assessment models in the area of company risk rating, predictive policing (e.g. property crime) and cybercrime;
- Develop data analysis and visualisation tools (e.g. social network analysis, spatial analysis and interactive maps);
- Develop crawlers & scrapers to be used in the research (e.g. collection of news on selected topics and from selected sources);
- Act as intermediaries between the centre, the spin-off and other IT third parties and external providers (e.g. App developers, Web Hosting/Housing providers, ISO 27001:2013 auditors)

The ideal candidate for this position should have:

- Degree in Computer Science / Computer Engineering (at least Laurea Triennale)
- Knowledge of Linux
- Good knowledge of programming languages (Python, PHP, R, C+)
- Knowledge of documentary DBMS (Elasticsearch, Mongo, ...)
- Knowledge of Web Development (HTML, CSS, ..)
- Experience in web programming crawler & scraping
- Experience of data analysis and visualization tools
- Fluency in English both written and spoken

The ideal candidate should be available to start as soon as possible. The role is based in Milan. (Transcrime and Crime&tech operational offices, Via San Vittore 45, 20123 – Milano). The type of contract and the salary will be evaluated according to applicant's experience, expectations and availability.

Interested candidates should email Michele Riccardi ([michele.riccardi@unicatt.it](mailto:michele.riccardi@unicatt.it)) attaching their CV and a cover letter in English in which they describe their skills, experience and how they would apply them to the activity of the centre.

Failure to meet these requirements will result in the application being rejected.

Only the selected candidates will be called for an interview.