Alessandro Cosentino

data engineer

contacts

cosenal@gmail.com
https://cosenal.github.io

nationality

Italian

languages

English
Italian

education

2010–2015 **Ph.D.** in Computer Science — University of Waterloo
- *Fellow of the Institute for Quantum Computing*
- *Recipient of a David R. Cheriton Graduate Scholarship*

2006–2009 **M.Math** in Computer Science — University of Pisa
Final score: 110/110 *cum laude*

2003–2006 **B.Math** in Computer Science — University of Pisa
Final score: 110/110 *cum laude*

experience

Jan '16–now **Data Engineer** — Bending Spoons
Developing an analytical tool for estimating financial data of the mobile apps market through fetching and processing of terabytes of App Store data.

2010–2013 **Teaching Assistant** — University of Waterloo
Courses: Theory of Quantum Information (graduate), Data Structures and Data Management, Algorithms, Introduction to Computer Science.

Summer '12 **Google Summer of Code Student Developer** — KDE
Created the News app, a feed reader for the ownCloud platform.

Winter '12 **UNIX Consultant** — Math Faculty Computing Facility, UWaterloo
Assisted students, faculty and staff with UNIX related problems.

publications

Limitations on Separable Measurements by Convex Optimization
IEEE Transactions on Information Theory. *2015*

Small sets of locally indistinguishable orthogonal maximally entangled states
Quantum Information & Computation. *2014*

Positive-partial-transpose-indistinguishable states via semidefinite programming
Phys. Rev. A. *2013*

(This is a selected list of journal publications. For a complete list, see Google Scholar).

skills

Programming *Main*: Python (3+ yr), MATLAB/Octave (3 yr); *Familiar with*: PHP, Javascript; *Prior experience*: OCaml, Go, C++;

Data Engineering AirFlow, Spark, Redis, PostgreSQL, BigQuery, Re:dash;

Data Analysis R, pandas, scikit-learn, Excel;

Web Flask, HTML5, AngularJS framework, CSS;

Other Heroku toolbox, Git, Bash, RSS and Atom standards, LaTeX.