Alessandro Cosentino's Résumé

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Current role

Data Engineer *Bending Spoons — January '16 – Present*

- Developing an analytics tool for spotting market opportunities in the Apple iOS app store.
- Building ETL pipelines that fetch and process terabytes of data for App Store Optimization.

Education

Ph.D. in Computer Science *University of Waterloo — August '15*

- Fellow of the *Institute for Quantum Computing*;
- Recipient of a *David R. Cheriton Graduate Scholarship*;
- TA for the courses: Data Structures; Algorithms; Theory of Quantum Information.

M.Math in Computer Science *University of Pisa — February '09*

B.Math in Computer Science *University of Pisa — July '06*

Software Projects

ownCloud News — An app for reading RSS/Atom feeds on ownCloud. I created this app as my *Google Summer of Code* project in Summer '12 under the KDE/ownCloud organization.

krsslocal — A KDE component to port the feed reader Akregator to the storage service Akonadi introduced in KDE 4. I built this as a *Season of KDE* project in Summer '11.

Technical Skills

Programming languages *Main:* Python; *Familiar with:* PHP, JS; *Prior experience*: OCaml, Go, C++
Data Engineering Celery, AirFlow, Apache Spark, Redis, PostgreSQL, Google BigQuery
Data Analysis R, MATLAB/Octave, pandas, scikit-learn
Web technologies Flask, AngularJS, HTML, CSS
Other technologies Heroku toolbox, Git, Bash, RSS and Atom standards, LaTeX

Selected Journal 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
- PPT-indistinguishable states via semidefinite programming,
  Phys. Rev. A, 2013