Alessandro Cosentino's Résumé

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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

Google Summer of Code *KDE/ownCloud — Summer '12*

Project: *ownCloud News* – Developed (in PHP and Javascript) a web app for reading feeds.

Season of KDE *— Summer '11*

Project: *krsslocal* – Built (in C++ and Qt) a component of the KDE desktop app Akregator.

(For a more detailed list of projects, see `https://cosenal.github.io/projects/`)

Research Experience

Research topics: quantum information theory, quantum computational complexity.

Skills acquired: advanced linear algebra; convex optimization; strong computer science fundamentals.

Selected journal publications:

- **Limitations on separable measurements by convex optimization**, 2015
- **Small sets of locally indistinguishable orthogonal maximally entangled states**, 2014
- **PPT-indistinguishable states via semidefinite programming**, 2013

(Complete list of publications available at `https://cosenal.github.io/papers/`)

Technical Skills

- Programming languages: *Main*: Python; *Familiar with*: PHP, Javascript; *Prior experience*: C++;
- Web technologies: HTML5, AngularJS framework, CSS;
- Research tools: LaTeX, MATLAB/Octave (*fluent*) and framework CVX for convex optimization;
- Other technologies: RSS and Atom standards, Git, SQL.