Résumé

Alessandro Cosentino

2014-09-08

Education

Ph.D. in Computer Science

University of Waterloo — January '10 – present

Expected graduation date: April '15

Fellow of the **Institute for Quantum Computing**

Recipient of a **David R. Cheriton Graduate Scholarship**,
awarded annually to forty to seventy-five full-time University of Waterloo Computer Science graduate students on the basis of scholastic excellence and evidence of research potential.

M.Math in Computer Science

University of Pisa — February '09

Final score: 110/110 *cum laude*

B.Math in Computer Science

University of Pisa — July '06

Final score: 110/110 *cum laude*

Selected Articles

- **Limitations on separable measurements by convex optimization, 2014**
- **Small sets of locally indistinguishable orthogonal maximally entangled states, 2014**
- **PPT-indistinguishable states via semidefinite programming, 2012**

Used *convex programming* to answer several fundamental open questions in the topic of *quantum state discrimination*.

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

Work Experience

Google Summer of Code student developer

KDE — Summer '12

Created the ownCloud News app, a feed reader for ownCloud. The app is among the top 5 highest rated apps on the ownCloud App store and it has served as a testbed for ownCloud core technologies, such as the app framework.

Season of KDE student developer

Summer '11

Built a component for the porting of the KDE feed reader Akregator to the storage service Akonadi introduced in KDE 4.

Teaching assistant

University of Waterloo — 2010 – 2013

Courses: Theory of Quantum Information (graduate), Data Structures and Data Management, Algorithms, Introduction to Computer Science.

Other Experience

Outreach Program for Women org coordinator and mentor

GNOME Foundation — Summer '14

Coordinated the first participation of ownCloud at OPW and mentored a successful ownCloud project.

UNIX Consultant

Math Faculty Computing Facility, University of Waterloo — Winter '12 and *Fall '12*

Assisted students, faculty and staff with computer related problems.

Google Code-in org administrator

KDE — Winter '12

Exchange programs

Research intern

LIAFA, Université Paris Diderot — February '13 – April '13

Erasmus scholar

Aarhus University — September '07 – March '08

Professional Service

Reviewer for the journals *APS Physical Review A*, *IEEE Transactions on Information Theory*, and for the *XVII Conference on Quantum Information Processing (2014).*

Technical Skills

- Research tools: LaTeX, MATLAB/Octave and framework CVX for convex programming;
- Web programming languages: PHP, HTML5, Javascript (with AngularJS framework), CSS;
- Other technologies: RSS and Atom standards, Git.