

Chris Calabro

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Recent Ph.D. graduate from UCSD Computer Science Dept. specializing in complexity theory. I have a lot of experience teaching and am looking for work either in software design/development or in the documentation of it. Either way, I want to be involved in making software easier to use and more useful.

Work Experience

teaching assistant, UCSD Computer Science Dept.

9/2003 - 7/2009

for graduate and undergraduate courses, lectured; held discussion sections, office hours, lab hours; graded; posted solutions. courses:

Math for Alg and Systems Computability and Complexity
Theory of Computability Intro to CS and OOP: Java
Intro to Programming I: C Intro to Modern Crypto
Alg Design and Analysis

programmer, Prolangs Research Group

5/1997 - 8/1997 and 2/1998 - 5/1998

translated compiler frontend code from C to C++

calculus peer mentor, Rutgers University

9/1996 - 5/1997

helped students in weekly workshop and graded

clerk, Alexander Library, Rutgers University

9/1995 - 5/1996

sorted incoming newspapers, filed microform,
assisted patrons with duplicating machines and computer terminals

Publications

C. Calabro, R. Impagliazzo, and R. Paturi

The Complexity of Satisfiability of Small Depth Circuits

IWPEC, 2009, (to appear in *IWPEC 2009, LNCS*)

C. Calabro and R. Paturi

k-SAT is No Harder than Decision-Unique-k-SAT[†]

CSR, 59–70, *LNCS* 5675, 2009

C. Calabro

A Lower Bound on the Size of Graphs Dense in Long Paths

ECCC, Report TR08-110, 2008

C. Calabro, R. Impagliazzo, V. Kabanets, and R. Paturi

The Complexity of Unique k-SAT: An Isolation Lemma for k-CNFs

JCSS, 74(3):386–393, 2008

C. Calabro, R. Impagliazzo, and R. Paturi

A Duality between Clause Width and Clause Density for SAT †
CCC, 252–260, 2006

† also presented at conference

Education

Ph.D. Comp. Sci., UCSD, 7/2009

GPA: 3.80

B.S., Comp. Sci. and Math, Rutgers University, 5/2000

GPA: 3.93

Skills

known programming languages:

C/C++	HTML	LaTeX
Java	Pascal	
Perl	Macro Assembler	

experience with:

DOS	Linux/Unix/Mac OS X	MySQL
Windows 3.1/95/98/XP/Vista	CGI	Apache

Honors

Internet Tech Certification (RU Faculty of Arts and Sciences)

Highest Honors in computer science

Departmental Honors in mathematics

Rutgers College General Honors

Awards

Focht-Powell Fellowship, 2001 - 2004

Joseph P. Bradley Senior Prize in math, 2000

Class of 1925 Scholarship, 2000

Aresty Scholarship, 1995 - 1999

Putnam math competition, 1996, ranked 321 out of 2407 nationally

More info

for some software I've written, see my webpage or programming list

<http://www.cs.ucsd.edu/~ccalabro>

http://www.cs.ucsd.edu/~ccalabro/programming_projects.html

for a website I've built and maintain, see

<http://www.sin-nombre.org/>

for references

Ramamohan Paturi, advisor, 858-775-5912, paturi@cs.ucsd.edu

Kirill Levchenko, lab mate, 858-733-0149, klevchen@cs.ucsd.edu