**DAVID KARAPETYAN**

# HOME ADDRESS

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# OFFICE ADDRESS

University of Rochester Department of Mathematics 817 Hylan Hall

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# OBJECTIVE

To obtain a position as a quantitative analyst, with a strong emphasis on the use of advanced math- ematics and computer programming.

# EDUCATION

# University of Notre Dame

* **Ph.D**, Mathematics **August 2007–May 2012**

# University of California, Berkeley

* **B.S.**, Mathematics, **B.A.**, English Literature **August 2000–May 2004**

# TECHNICAL SKILLS

* Expert proficiency in Unix/Linux/FreeBSD, Mac OS X, Windows XP/Vista/7, Bash, C, C++, HTML, JavaScript, MATLAB, Ruby, TEX, LATEX, BibTEX, Vim
* Extensive knowledge of PC hardware

# EXPERIENCE

**Visiting Assistant Professor** [University of Rochester](http://math.rochester.edu/) **July 2012–Present**

Rochester, NY

* Working in **partial differential equations**, in particular nonlinear evolution equations.
* For more information on past and current projects, please consult my [vita](http://davidkarapetyan.com/pdfs/cv.pdf) and [research statement](http://davidkarapetyan.com/pdfs/research-statement.pdf).

**Research Associate** [Battelle Memorial Institute](http://www.battelle.org/) **May 2006–May 2007**

Arlington, VA

* Conducted research for Army sponsored and privately sponsored projects in bio-warfare.
* Researched the Analytic Hierarchy Process and used it to devise an algorithm that ranked biochemicals by overall tactical effectiveness.

**Research Associate** [Institute for Defense Analyses](https://www.ida.org/) **August 2004–August 2005**

Alexandria, VA

* Conducted research for Pentagon sponsored and privately sponsored projects.
* Developed presentations by compiling and analyzing data on existing high occupancy toll lanes in the Los Angeles, San Diego, and Chicago metro areas.
* Actions led to Fluor Corporation’s decision to spearhead construction of DC metro area high occupancy toll lanes in 2008, a $500 million dollar venture.

# HONORS, AWARDS, AND EXTRACURRICULAR ACTIVITIES

* [Presidential Fellowship](http://graduateschool.nd.edu/admissions/financial-support/prestigious-fellowships/presidential-fellowships-arthur-j-schmitt-fellowships/) (a full scholarship), University of Notre Dame **August 2007–May 2012**
* [Regents Scholarship](http://students.berkeley.edu/finaid/undergraduates/types_regents.htm) (a full scholarship), University of California, Berkeley **August 2000–May 2004**
* Nominee for ND Shaheen Graduate School Award for top student **March 2012**
* Chess Expert Title (United States Chess Federation) **February 2003–Present**
* Graduate Student Union representative for Department of Mathematics **August 2009–May 2011**
* [Music](http://davidkarapetyan.com/music.php) and [Poetry](http://davidkarapetyan.com/poetry.php) Composition, with regular performances of work **April 1992–Present**
* Armenian General Benevolent Union charity work **June 1998–Present**