

Brian T. Droncheff

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INTERESTS Mathematical Modeling, Algorithms, A.I. Awareness, and the Mind, Topology, Logic, Evolutionary Systems, and Quantum Mechanics.

EDUCATION

ALGANT Mathematics Master 12/2015	Dual Master Degree, University of Padova (UniPD), Padova, Italy and Chennai Mathematical Institute (CMI) Chennai, India.
Bachelors of Science 9/2011	California State Polytechnic University, Pomona, California Bachelors in Computer Science, minor in Mathematics.

EMPLOYMENT

9/2006 – current (Intermittently)	Self Employed <ul style="list-style-type: none">Private tutoring in programming, web design, math, and physics.Web-design and Development
12/2008 – 5/2010	High Medical Technologies <ul style="list-style-type: none">Digital signal analysis and program design in LabVIEW and Java.
2/2007 – 6/2008	Teachers assistant and tutor, Los Angeles City College <ul style="list-style-type: none">Lectured and tutored basic through advanced programming.
9/2004 - 12/2004	Physics Tutor, Los Angeles City College <ul style="list-style-type: none">Tutored physics 11, 12, 1, 2, and 3.
10/2002 - 10/2003	Full time volunteer; Los Angeles International Church. <ul style="list-style-type: none">Got food to LA area people who desperately needed it.

RESEARCH

3/2008-6/2009	Undergraduate projects in Genetic and Adaptive algorithms as well as Hyper spectral Image Compression. NASA/Jet Propulsions Laboratory, La Canada/CA <ul style="list-style-type: none">Designed/Modified various programs involving evolutionary and adaptive algorithms, (Java, C, Matlab).
Summer 2006	Undergraduate research in Molecular Beam Epitaxy Institute for Theoretical Physics, Berlin/Germany <ul style="list-style-type: none">Designed programs in for program interfacing, (C++).
6/2003 - 6/2004 8/2004 - 4/2006	Undergraduate research on the “Deep Impact Project School Technology Improvement Collaboration”. NASA/Jet Propulsions Laboratory, La Canada/CA <ul style="list-style-type: none">Designing device drivers for a CCD Camera using LabVIEW.Data manipulation and I/O using LabVIEW, VBA and IRAF.
Summer 2004	Undergraduate research fellow in Psychological Physics. California Institute of Technology, Pasadena/CA <ul style="list-style-type: none">Designing computer games to test human rationality, (LabVIEW)

<u>SKILLS</u>	I have worked on programs using LabVIEW, VB/C#.NET, C/C++, Java, Matlab, and SQL. I am also skilled in web design and development languages such as HTML, Flash, Javascript and ASP.NET.
<u>NOTABLE AWARDS</u>	Erasmus Mundus and ALGANT Scholar, Jet Propulsion Laboratory Undergraduate Scholar from JPL, SURF at Caltech, DAAD Fellowship in Berlin, Germany, and CURE Fellowship at JPL.