Personal information
Birth place: La Plata, Argentina
Birth date: December 1, 1976
Email address: andres.colubri@gmail.com, acolubri@ucla.edu

Interests
- Real time computer graphics, 3D openGL programming.
- Information and Computer Arts, interactivity and physical computing.
- Stochastic processes: Markov chains, Monte Carlo simulations.
- Mathematical modeling of complex systems.

Academic background
- Graduate student in the MFA program of the Design | Media Arts department of the University of California at Los Angeles. Class of 2009.
- Postdoctoral fellow. Research area: theoretical and computational study of protein folding. Advisers: professors R. Stephen Berry, Tobin R. Sosnick y Karl F. Freed. University of Chicago (2002-2005).
- Doctor in Mathematics. Universidad Nacional del Sur (UNS), Bahía Blanca, Argentina (2001).
- Licenciado in Mathematics. Universidad Nacional del Sur (UNS), Bahía Blanca, Argentina (2000).

Artistic and research work
- Programming of the interactive piece "Moon Theater" by Michael Kontopoulos and Nova Jiang, exhibited at the "Glow" festival in Santa Mónica. July 19, 2008.
- Digital proyection in the production of "3pennyopera" from UCLA Herb Alpert School of Music and UCLA Opera, with script from Bertolt Brecht and music by Kurt Weill. Artistic director: Peter Kazaras, conductor: Stephen Karr. Presented at the Angeles Theater Center (LATC), Los Angeles, California. 16 - 18 May, 2008.
- Programming of the children's piece "Cuentos Animados", produced by the "Espejo Trifásico" group and exhibited in the theater of the Bernasconi school during January 2008.
- Member of the group "Espejo Trifásico", together with actress W. Melissa Betancourt and visual artist Marcela Rapallo, devoted to the artistic research of the resource of live drawing and its applications to performance, theater and storytelling.
- Programming of the interactive video installation "Rueda de Reconocimiento", by Ananké Asseff, exhibited in the Recoleta Cultural Center, Buenos Aires, November 14 – December 16, 2007.
- Digital projection programming in the opera "Clone", from composer Antonio Zimmerman, with script from Alejandro Tantanian and based on a story from Julio Cortázar. Presented in the Experimental Center of the Colón Theater (CETC), Buenos Aires, 7-11 August, 2007.
- Programming of the interactive video installation "Contemplación" by Ananké

Asseff, displayed at the Estudio Abierto Centro exhibit, Buenos Aires, November 16 – December 3, 2006.
- Digital projection in the theater play "Crave", written by Sarah Kane and directed by Cristian Drut at "El Lavapies" theater in Buenos Aires. March 20 2006 – December 7 2007
- Short improvisation performance "Narciso en tiempo real", where real time images and live cameras where used during the play. Presented during the TecnoEscena 2005 festival at the Borges Cultural Center, Buenos Aires, December 2005.
- Developer of the Moldeo software, with Fabricio Costa Alisedo. Moldeo is an open source tool for live interpretation with images, video and animations, aimed at performance and interactive projects. Active since mid 2005.
- Project coordinator in the REU (Research Experience for Undergraduates) program, run by DePaul University, Argonne National Laboratory, and the University of Chicago. Funded in part by the NSF grant CNS-0353989. July - August 2004.

Awards
- Clifton Webb and Eugene Wurzel Scholarship Awards from the UCLA's Arts Department.
- Distinction in the category Stage Scene/Spatial Design from the 2006 edition of the "Teatro del Mundo" awards from the Rojas Cultural Center, for the digital projection work in Crave.
- Intensive Development Program scholarship to participate in the the "Interactive Screen .06" workshop. Banff Centre of the Arts, Canada. August 12 – 18, 2006.
- Second prize in the S3 project (Sights and Sounds of Science), organized by the Materials Research Center of the University of Chicago, awarded to a video piece called "The piano and the Stairs". March, 2005.
- Program in Mathematics and Molecular Biology (PMMB) Postdoctoral Fellowship. July 1, 2002 - December 31, 2004. Adviser: professor R. Stephen Berry. The University of Chicago.

Selected research publications
- Reduced Cb statistical potentials can outperform all-atom potentials in decoy identification. James E. Fitzgerald, Abhishek Jha, Andrés Colubri, Tobin R. Sosnick, Karl F. Freed. Protein Science 16, 2123 – 2139 (2007).
- Minimalist Representations and the Importance of Nearest Neighbor Effects in Protein Folding Simulations. Andrés Colubri, Abhishek Jha, Min-yi Shen, Andrej Sali, R. Stephen Berry, Tobin R. Sosnick and Karl F. Freed. Journal of Molecular Biology 363, 835-57 (2006).
- Statistical coil model of the unfolded state: resolving the reconciliation problem. Abhishek Jha, Andrés Colubri, Karl F. Freed, Tobin R. Sosnick. Proceedings of the National Academy of Sciences 102, 13099-104 (2005).

Courses and workshops
- Participant of the Interactivos 2007 workshop, directed by Rodrigo Alonso and Mariano Sardón. Espacio Fundación Telefónica, Buenos Aires. May - September, 2007.
- Max/Jitter workshop. Instructor: Jorge Castro. Espacio Telefónica, Buenos Aires. November 22 - 24, 2006.
- Theory of color and applications. Instructor: Thomas Gianni. The School of the Art Institute of Chicago. August, 2005.
- Advanced Drawing. Instructor: Drew Beattie. COVA (Commission of Visual Arts) of the University of Chicago. Fall, 2004.

Online resources
- http://users.design.ucla.edu/~acolubri/home/index.html
  Online artistic and research portfolio.
- http://dma.ucla.edu/people/grad.php?ID=61
  Personal information at DMA website.
- http://codeanticode.wordpress.com/
  Blog about programming arts, open source, interactivity, etc.
- http://moldeo.computaciongrafica.com
  Community site for the Moldeo project, providing discussion forums, file downloads, news and events, etc.
- http://protlib.uchicago.edu
  Source code, tutorials, articles and documentation regarding the scientific project carried out at the University of Chicago.