

- OBJECTIVE** To obtain research experience in computer science through a summer research program.
- SUMMARY** Motivated and creative with a long-standing passion for computer science. Quickly picks up new technologies and languages. Enjoys theoretical and mathematical aspects of computer science.
- EXPERIENCE**
- Caltech Summer Undergraduate Research Fellowship (SURF)**, June 2008 – Present
Pasadena, CA
- Undergraduate Researcher – Infospheres Group
- Worked under Dr. K. Mani Chandy doing research in distributed systems using automated theorem proving methods.
 - Worked with Stanford Research Institute's Prototype Verification System (PVS).
- Caltech Information Management Systems and Services**, December 2006 – Present
Pasadena, CA
- ITS Representative – Page House
- Maintained computer lab machines and set up a House file server.
 - Assisted House members with personal computer problems.
- Parasoft Corporation**, June 2007 – September 2007
Monrovia, CA
- Software Developer Intern
- Worked as a Java and J2EE developer on the SOAtest development team
- Exent Technologies**, November 2004 – September 2006
Bethesda, MD
- Web Developer, May 2006 – September 2006
- Usability improvements reduced subscriber churn. Assisted in releasing major site versions.
 - Worked in HTML/JavaScript, JSP, and Oracle SQL.
- Turnkey Production Manager – North America, September 2005 – September 2006
- Managed weekly and monthly content updates for numerous services in the United States and Canada.
 - Successfully ensured continuity of content during periods of short supply.
- Quality Assurance Tester – North America, November 2004 – September 2006
- Tested and evaluated over 400 different products for releases on multiple services in the United States and Canada.
 - Streamlined production flow by automating routine tasks.
- Maryland Virtual High School**, June 2004 – September 2006
Silver Spring, MD
- Web Developer, June 2004 – September 2006
- Successfully began the implementation of an educational models program, developing interactive models of science experiments for use as high school instructional aids.
 - Worked in PHP to create 13 educational models with graphical output.

EDUCATION**California Institute of Technology**, Class of 2010

- Double major: Computer Science, Applied & Computational Mathematics
- GPA: 3.8/4.0, CS GPA: 3.9, ACM GPA: 3.9

Bethesda-Chevy Chase High School, Class of 2006

- Pursued a rigorous program of computer science courses, including work in C++, Artificial Intelligence (using LISP), and Web Design.
- Maintained a strong interest and received numerous awards in science as Science Bowl Team captain, and Intel International Science and Engineering Fair (ISEF) participant.
- National Merit Finalist, Presidential Scholar Semifinalist, and graduated with a Certificate of Merit
- SAT Math: 800 Reading: 800 Writing: 700

PERSONAL

Enjoys fencing and playing drums, is conversant in Spanish, and is an Eagle Scout from Boy Scout Troop 255 of the National Capital Area Council.