

Isaiah Deresa

SAGE Scholar

Education University of California, Berkeley
Bachelors of Art in Molecular Cell Biology, May 2010
Relevant Coursework: Molecular Cell Biology, Organic Chemistry, Bioengineering, Statistics, Calculus

Experience **LABORATORY RESEARCH**

USDA, Agriculture Research Service, Western Regional Research Center, Albany, CA
Research Assistant *Nov 2008 to Present*

- Direct transformation of *Arabidopsis* using *E.coli* plasmids and ParA-MRS unidirectional recombination system
- DNA amplification and analysis of experimental *E.coli* strains
- Manage experimental strains of *E.coli* cell cultures for plasmid delivery

UCI-NIH Bridges to Baccalaureate Program, University of California, Irvine, CA
Lab Assistant *June 2008 to Aug 2008*

- Conducted PCR amplification and genotypic analysis of Multiple Sclerosis patients to determine gain-of-function haplotype
- Monitored and maintained lab mice with Experimental Autoimmune Encephalomyelitis
- Research supported by NIH and UCI

UCLA-NIH Bridge Summer Research Program, University of California, Los Angeles, CA
Lab Assistant *June 2007 to Aug 2007*

- Performed various phenotypic analysis assays to identify and categorize knockout mutants of the filamentous fungus model organism *N. crassa*
- Surveyed various biomedical research through direct participation in faculty labs
- Communicated data with the Broad Institute of MIT and Harvard
- Research supported by NIH and UCLA

SALES & MARKETING

Verizon Wireless, Chino, CA
Assistant Sales Operations *Sept 2004 to June 2005*

- Achieved number one retail sales ranking ASO in southern California for three consecutive months
- Managed customer accounts, provided customer service, and technical support daily
- Conducted store closing operations including cash flow management and inventory

Laboratory Skills

- Chromatin immunoprecipitation, microarray, western blot, tissue culture, fluorescence activated cell sorting, plasmid transformation, PCR, gel electrophoresis, electroporation, NMR, UV, and mass spectrometry
- Personal Computer (PC) skills in multiple modern software programs including Microsoft Word, Excel, PowerPoint, Outlook, SDS 2.1, Prism, and Image J
- Application and knowledge of electronic programming and hardware
- Ability to work in a team environment

Leadership

Board Trustee – Mt. San Antonio College elected Student Trustee *June 2007 to May 2008*
Chief Justice – Mt. San Antonio Associated Students Judiciary *Sept 2006 to June 2007*

Awards

SAGE Scholar *Aug 2008 to Present*
Biology Department Honors Scholar *Spring 2008*
Dexter Mac Bride Leadership Scholar *Spring 2008*
Dr. Morris Hein Chemistry Scholar *Spring 2007*
Army Commendation Medal *March 2004*