

Josue Gonzalez

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EDUCATION ■■■

- Current Brigham Young University
Ph.D. Biology of Human Genetic
- Grad date: Apr '16 Brigham Young University
BS Genetics & Biotechnology – Animal track
Minor: Molecular Biology
- Grad date: Dec '12 LDS Business College
AAS Accounting & Business Management
- Grad Date: Dec '08 Escuela Nacional de Agricultura
BS Agriculture Technology Development
MS Plant Genetics

SKILLS ■■■

- Computer command lines
- Computer languages:
 - Python
 - C++
 - R
- Polymerase Chain Reaction: R-PCR, Q-PCR, RT-PCR
- DNA extraction
- Sequencing
- Cloning & Ligase
- Agarose Gel Electrophoresis
- Hybrid plant development
- Artificial twining
- Database management
- Accounting
- Software:
 - Geneious
 - Sequencer
 - Microsoft Office 2010
 - Quickbooks
- Languages:
 - English
 - Spanish
 - Portuguese

REASERCH EXPERIENCE ■■■

- John Keoni Kauwe Lab Research Assistant
Brigham Young Univerisity
Sep '12 – Present
- Projects
 - Project lead of “DNA protective variant to prevent Alzheimer disease in the Utahans Icelandic population.”
 - Contributor in “Cache country DNA recollection for tracking the TREM 2 gene in connection to Alzheimer disease.”
 - Projects based on understanding genetic risk and protective factors of Alzheimer’s diseases.
- Cornelia van Duijn Internship
Erasmus Univerity
Rotterdam, the Netherlands
May '13 – Jul '13
- In search of DNA variant with high risk in Alzheimer disease.
 - Metanalysis; PLINK analysis
 - Human base statistical analysis
- Semillas Cristiani Burkard Research Assistant
San Salvador, El Salvador
Jan '04 – Dec '05
- Data collection, management, and analysis
 - Development of hybrid soy bean seeds
 - Increase population of nitrogenize in soils
 - Cross-link soy bean species
 - Lab management

OTHER EXPERIENCE ■■■

Neuroscience Center
Brigham Young University
Sep'12 – August '15

Accountant clerk

- Budget and manage Neuroscience allowances
- Assist and advice Neuroscience students
- Organized Faculty and staff meetings
- Organize and establish Neuroscience classes
- Serve as bridge and facilitator to faculty members across campus and other universities.

LDS Headquarter
Global Service Center
January '10 – December '11

Accountant clerk

- Oversee clerical donation from the North, Central and South America region.
- Supervise allocation and transfer donation from regions to Headquarter.
- Assign funds from Headquarter to regions.
- Supervise bi annual audits to every region.
- Supervise balancing of account books.

LDS Missionary
Guatemala
February'06 – February '08

Missionary work

- Volunteer missionary work in Guatemala
- Development of service projects for different communities.
- Clerical assistance to anyone in need

AWARDS ■■■

2012 – present

- Life Science College scholarship awards – Brigham Young University
 - Biology Department Scholarship (full tuition)
 - Plant and Wild life Science Department Scholarship (full tuition)

2015

- Undergraduate mentor research award - \$1,5000

2014

- Undergraduate mentor research award - \$1,5000

2013

- Brigham Young University Integrative Life Science College travel grant.

2010 – 2012

- “Divina Luz” scholarship awards.

2005

- Department of Agriculture of El Salvador Grant - \$20,000

2001 -2005

- FEPADE of El Salvador scholarship award (full tuition)

PUBLICATIONS ■■■

- Neurobiology of Aging: Assessment of *TREM2* rs75932628 association with Alzheimer's disease in a population-based sample: the Cache County Study (first author)
- Rararity of the Alzheimer Disease-Protective APP A673T Variant in the United States (co-author)

PRESENTATIONS ■■■

2013

- Alzheimer's Association International Conference. Boston, MA. Neurobiology of Aging: Assessment of *TREM2* rs75932628 association with Alzheimer's disease in a population-based sample: the Cache County Study.
- Bioinformatics Conference, Brigham Young University. Assessment of APP A673T Protective AD mutation in Population-based Sample: The Cache County