

Selvin Carrillo Ramos

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WORK EXPERIENCE

Jun 2023-Present

Research Assistant. GA, United States

Horticulture Department, University of Georgia

Research focused on plant nutrition, plant physiology, irrigation optimization, and overall orchard management in peaches.

Business or Sector: Horticulture, Ag Research

May 2021-Dec 2022

Research Assistant. NC, United States

Plant Science Research Unit, USDA-ARS

Screening and evaluation of contrasting soybean genotypes to find potential genetic sources that are heat, drought, and ozone tolerant to face current and future climate change scenarios. Use of a state-of-the-art Temperature Gradient Greenhouse, Air Exclusion Systems, and growth chambers. Rated ozone damage to leaves, and measured chlorophyll fluorescence and photosynthetic rates.

Business or Sector: Climate Change Resilience, Crop Science, Ag Research, Heat Stress

Jan – May 2022

Graduate Teaching Assistant: Southern row crop production (soybeans, small grains, and corn)

Agricultural Institute / Crop Science Department, North Carolina State University

Graded students' homework, documented participation and assistance, maintained grade book up-to-date, and assisted the instructors in hands-on activities.

Business or Sector: Teaching

Apr 2017-Jan 2021

Field Officer. Guatemala and United States

Partners of the Americas/USAID

Coordination, accompaniment, and reporting of technical assignments in Agriculture and Rural Enterprise Development projects; follow-up before, during, and after volunteer assignments from the Farmer-to-Farmer program. Responsible for providing guidance, monitoring, and evaluation of country projects. Also, the link between headquarters in Washington D.C., and the partners/hosts in Guatemala.

Business or Sector: Horticulture and Rural Development

Aug-Dec 2018,
Mar-Dec 2016

Associate Researcher "Maize Program" (Lowlands of Guatemala)

Scholar-Researcher (Highlands of Guatemala)

Instituto de Ciencia y Tecnología Agrícolas (ICTA)

Writing of basic research protocols, establishment of multilocation trials, collection and digitization of data, characterization of plants, basic statistical analysis, writing of reports, and organization of field days.

Business or Sector: Agricultural Research, Plant Breeding

Nov 2014–Dec 2015

Internship. Kula, Hawaii, United States

Worldwide Farmers Exchange (WFE)

One year of on-farm agricultural experience in Crop Management and Vegetable production. Participated in monthly seminars at the University of Hawaii at Manoa on topics related to tropical fruits and vegetables, pesticide management, gardening, landscapes, hydroponics, aquaculture and invasive weeds.

Business or Sector: Crop Management, Vegetable Production, BMP, Quality Control

Feb- Nov 2013

Consultant and Undergraduate Researcher. Western Highlands of Guatemala

Inter-American Institute for Cooperation on Agriculture (IICA)

Researcher of the “TAAF-Meso Andino Project” "Identification and characterization of peasant and indigenous technologies used in high-altitude systems vulnerable to extreme climatic events". Interdisciplinary Project involving the countries of Guatemala, Perú, Ecuador, and Bolivia.

Business or Sector: Climate Change, Vulnerable livelihoods, Indigenous communities

Feb-Oct 2013

Agricultural Technician. Western Highlands of Guatemala

Asociación de Organizaciones de los Cuchumatanes (ASOCUCH)

Technical assistance to improve livelihoods of vulnerable communities above 3000 meters above sea level. A holistic approach from an agroforestry perspective to face climate variability.

Business or Sector: Agroforestry, livelihoods, climate variability

Jun-Nov 2010

Internship. Western Lowlands of Guatemala

Mediterranean Fruit Fly Program -Northwest Center- (Medfly)

Technical assistance for monitoring the Mediterranean fruit fly in tropical and subtropical crops in the Northwest Region, Guatemala.

Business or Sector: Tropical Fruits and Integrated Pest Management

EDUCATION

Jan 2021- Dec 2022

Masters: Crop Science

North Carolina State University, United States

Mar-Dec 2016

Postgraduate: Specialization in Agricultural Research

Universidad de San Carlos, Guatemala

Jan 2008- May 2014

Bachelor: Agronomy with Emphasis on Fruit Crops

Universidad de San Carlos, Guatemala

HONOURS AND AWARDS

2022..... Future Leader Fellow by the AIARD.

2021..... Fulbright fellowship.

2016..... Scholarship for postgraduate studies by “IICA-CRIA Project”.

2014..... Nominated as University representative for the annual autonomy ceremony.

2013 Best GPA in the Agronomy Department “Universidad de San Carlos de Guatemala”

2011..... Award for Academic Excellence.

2009-2013 Scholarship for Undergraduate studies at “Universidad de San Carlos de Guatemala”.

2002-2007..... Scholarship for secondary and High-School by Coop “La Inmaculada Concepción RL”.

OTHER SKILLS

In the past

- Experience in retail sales.
- Seller of groceries and over-the-counter drugs.

Jobs-related

- Coordinated workshops, conferences, and field trips to rural areas.
- Worked with smallholder farmer groups, organizations, and indigenous communities.
- Performed SWOT analysis for technical assistance in youth and women associations.

Stats programs

- R/RStudio and working knowledge in Python and SAS.

Community service

- Volunteer and advisor of the fruit and vegetable nursery for the local church.
- Mentor young people and encourage them to stay and study in my country.
- Volunteering teacher for secondary and High-School courses.
- Support community soccer teams.

Driving license

- Type M and B in Guatemala (Exp. 12/27) and type C in Georgia (Exp. 05/28).

ADDITIONAL INFORMATION

Written documents (Not published)	<ul style="list-style-type: none"> ✓ MS thesis. Genetic Variation in Heat Stress Response of Soybeans. ✓ Co-author: Development of maize-free pollination varieties adapted to the Lowlands of Guatemala / 2018. ✓ Co-author: development of maize hybrids of normal grain and of high nutritional quality adapted to the Lowlands of Guatemala / 2018. ✓ Native plants of high nutritional value as an alternative to combat food insecurity in the Western Highlands of Guatemala / 2016. ✓ Bachelors' thesis. Identification and characterization of agricultural practices developed through ancestral knowledge, as measures of adaptation to the effects of climate change in the Cuchumatanes region, Guatemala / 2014. ✓ Identification and characterization of peasant technologies used in productive high-altitude systems vulnerable to extreme climate events/ 2013. ✓ Climate Vulnerability and Capacity Analysis (CVCA) of Chichim village, Todos Santos Cuchumatán, Huehuetenango, Guatemala / 2013.
Extracurricular Conferences, Workshops and Seminars (with diploma)	<ul style="list-style-type: none"> ✓ Conference "Student Leadership". UGA/2023 ✓ Certificate "Technical writing". NCSU/2022 ✓ Course "Holistic Livestock Management". PCS International/2021. ✓ Workshop "Farmer-to-Farmer/USAID annual workshop". USAID/2020. ✓ Certification "Preventive Controls for Human Foods". FSPCA/2019. ✓ International Course in Biostatistics. CATIE/2016. ✓ Course "Scientific Writing". CATIE/ 2016. ✓ Conference "Diagnosis and biological control of diseases in agricultural crops and ecological management in agricultural pests". CUNOC / 2016. ✓ Symposium "Continental waters of the Americas: present and future" / 2016. ✓ Course "Trainer of trainers", INTECAP/2016 ✓ Workshop "Applied and interdisciplinary research, phase I and II". USAC/ 2016. ✓ Workshop "Topodron System". Aerial topography with drones. CUNOROC / 2016. ✓ International Trainee Seminar Series. University of Hawai'i, USA / 2015 ✓ Workshop "CVCA Tool and CRiSTAL Meso-Andino TAAF Project" / 2013. ✓ "Sales representative" training. Bayer CropScience / 2013 ✓ Course "Filtration of drinking water by ecological means". INTECAP / 2013 ✓ Online Course "Food Safety (BPA's and BPM's)". AGREQUIMA / 2012. ✓ Course "Responsible use and management of crop protection products". AGREQUIMA / 2012. ✓ Course "Maintenance of water pumps". INTECAP / 2012. ✓ Seminar-Workshop "Induction for the formulation of DIGI projects" / 2012. ✓ Seminar-Workshop "Processing of fruits and vegetables". DEFRUTA / 2011. ✓ Course "Basic processing of fruits and vegetables". INTECAP / 2011. ✓ National Congress "Student Scholars of San Carlos University". CUNSUR / 2009.
Memberships	<ul style="list-style-type: none"> ✓ College of Agricultural Engineers of Guatemala (No. 5837) ✓ Fulbright Student Association at NC State and Fulbright global ✓ The Honor Society of Phi Kappa Phi ✓ Association for International Agriculture and Rural Development (AIARD) ✓ Crop Science Society of America (CSSA) and American Society of Agronomy (ASA)