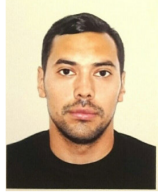


PERSONAL INFORMATION



Eduardo David Gramajo Silva

📍 Mail Box No. 4317, 4700 King Abdullah University of Science & Technology, 23955-6900, Thuwal – Jeddah, Kingdom of Saudi Arabia.

☎ (+502) 2336 0763

✉ grama.edu@gmail.com

💬 Skype grama.edu

Sex Male | Date of birth 05/10/1990 | Nationality Guatemalan
 Personal ID 1942 14206 0101 | Passport Number 194214206

PERSONAL STATEMENT

I consider myself a committed leader, with creativity, responsibility and innovation that has the interest on improving each day its knowledge for new methods and techniques in the field of my profession.

WORK EXPERIENCE

01/02/2016– 30/06/2016

Research and Laboratory Project “Hydraulic Properties of the Fault Zone in the Opalinus Clay Formation, for the Application in Nuclear Waste Storage”

Laboratory of Experimental Rock Mechanics (LEMUR) at Ecole Polytechnique Fédérale de Lausanne (EPFL)

- Development of tests for the determination of the permeability and porosity values out of different sections from the Main Fault. Therefore, correlating this information with the petrophysical and geochemical characteristics, obtained by a microstructural analysis of thin sections. Also the implementation and improvement of an already established Matlab code.

11/01/2011– 29/05/2015

Project Manager

Topomap Copropiedad

- Designing topographic maps in AutoCAD Civil 3D, performing topographic field measurements, contacting customers and sending quotes.

10/03/2014–24/04/2015

Responsible for Subcontracts

Constructora Norberto Odebrecht, S.A., Sucursal Guatemala

- Administrative areas, such as: analysis of price based on engineering drawings and specifications, quotes for production services, direct relationship with suppliers to negotiate the provision of services, preparation of construction and supply contracts, measurements of contracts in both field and office, direct relationship with suppliers to control payments, budgetary management, programming monthly payment to suppliers.

01/10/2012–10/03/2014

Administrative assistant

FC Ingenieros & Arquitectos

- Design and drawing of the hydraulic, electrical and structural systems, structural calculations and quantifications, administrative areas, such as, budget management, control of employee benefits and payroll, preparation of construction and supply contracts, monitoring the development work, such as, earthworks, paving, topography, construction of retaining walls, construction of platforms and houses.

09/01/2012–22/11/2013

Member of the Students Association of Civil Engineer (AEIC)

Universidad del Valle de Guatemala

- Participating in the debates that were organized by the association, contributing with innovative ideas, writing articles about my experience in the university and about graduation projects.

10/01/2011–23/11/2012

Auxiliary Professor

Universidad del Valle de Guatemala

- 10/01/2011-27/05/2011 - Linear Algebra I
- 04/07/2011-25/11/2011 – Calculus I and Statistical Models I
- 09/01/2012-25/05/2012 – Calculus II
- 09/07/2012-23/11/2012 – Differential Equations I

10/01/2011–23/11/2012

Volunteer

AIESEC (Association Internationale des Étudiants en Sciences Économiques et Commerciales)

- Chairman of the organizing committee recruitment, Supervise and coordinate a working group of three members, for a period of two months, for the recruitment process.
- Member of organizing committee for SDL (Leadership Development Seminar), Manage the sales and advertising, soliciting in a large number of company's sponsorship.
- Logistics manager on a project of AIESEC, Responsible for managing the logistics before and during the project with the trainees.

24/01/2011–12/09/2011

Volunteer

Organization - Un Techo Para mi Pais

- Leader of logistics in projects in construction of emergency houses for families in need affected by different natural disasters. Teaching teams of 8 or more volunteers, construction methods and making them aware of the situation of those families in need and how their contribution was going to help them.

EDUCATION

11/09/2015–01/07/2016	Ph.D. Earth Science and Engineering King Abdullah University of Science and Technology 4700 King Abdullah University of Science and Technology, 23955-6900, Thuwal-Jeddah, KSA www.kaust.edu.sa	EQF level 8
13/01/2009–23/11/2013	Master in Science Geomechanics, Civil Engineering and Risks Université Grenoble Alpes 621 avenue Centrale, Saint-Martin-d'Hères, 38040, Grenoble (France) www.univ-grenoble-alpes.fr	EQF level 7
14/01/1997–11/10/2008	Bachelor in Science of Civil Engineering Universidad del Valle de Guatemala 18th avenue 11-95, zone 15, 01015 Guatemala (Guatemala) www.uvg.edu.gt Elementary School, Middle School, High School (Bachelor in Science and Letters) Liceo Guatemala 10th avenue "A", zone 5, 01005 Guatemala (Guatemala) www.liceoguatemala.edu.gt	EQF level 6 EQF level 5

PERSONAL SKILLS

Mother tongue(s)

Other language(s)

English

French

Organizational / managerial skills

Computer skills

Spanish

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C2	C2	C2	C2	C1
TOEFL (Test of English as a Foreign Language) Internet-based Test (TOEFL iBT) – 91				
B1	B1	B1	A2	A2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user

[Common European Framework of Reference for Languages](http://www.cerl.eu)

Leadership:

- Gained as the coordinator of my graduation project group, and as the leader in multiple volunteering and professional work projects.

Responsibility:

- Gained during my university career, in my exchange program as a cultural language teacher, and in my professional work projects finishing all of them with great success.

Creativity and Innovation:

- Gained while working on my graduation project by searching for new methods of solving the hydraulic and soil problems in Guatemala, as an assistant professor of multiple courses, by thinking in new ways and techniques of teaching, and in my professional work in the construction companies by solving the problems in the areas that I was in charge of.

Knowledge in:

- Microsoft Office Software;
- MATLAB;
- Mathcad;
- Python;
- ImageJ;
- AutoCAD;
- AutoCAD Civil 3D;
- SAP2000;
- Etabs;
- QuantumGIS;
- ArcGIS.

ADDITIONAL INFORMATION

Seminars

- 2011 - CONAL (Legislative National Congress) - AIESEC Guatemala (Guatemala).
- 2012 - SDL (Leadership Development Seminar) - AIESEC Guatemala (Guatemala).
- 2012 – Applied Hydraulics - Universidad del Valle de Guatemala, Guatemala (Guatemala)
- 2012 - New Techniques in the Engineering of Bridges in Central America - Universidad Rafael Landivar, Guatemala (Guatemala)
- 2012 - Youth to Business - Universidad Rafael Landivar, Guatemala (Guatemala)

Workshop

- 2009 - Introduction to research techniques - Universidad del Valle de Guatemala (Guatemala);
- 2011 - Entrepreneurship - Universidad del Valle de Guatemala (Guatemala);
- 2011 - Drawing - Universidad del Valle de Guatemala (Guatemala);
- 2012 - Wood work - Universidad del Valle de Guatemala (Guatemala).

Extracurricular Programs

- 29/05/2012 - 07/07/2012 - Exchange Program as a cultural teacher of English and Spanish to different kindergarten children in Łódź, Poland - AIESEC;
- 01/06/2015 - 18/07/2015 - Exchange Program as a cultural teacher of English and Spanish to different summer camp kids in Bran, Romania - AIESEC;
- 1990- Present - Member of the Catholic Community in Guatemala.

Honors and awards

- Graduated with High Honors (Bien) Qualification in the French system for obtaining a remarkable average during my M.Sc. studies.
- Graduated with Magna Cum Laude Honors for obtaining a remarkable average during my university studies.
- Obtaining Diplomas of Honors Student during the five years of university due to high academic achievement, university involvement and behavior.
- Diploma and Honor Rolls for obtaining one of the highest averages of the class in several years at Liceo Guatemala School.

References

- Ing. Byron Ruiz – email: byronruiz@fc.com.gt
- Prof. Roberto Godo – email: rgodo@uvg.edu.gt
- Prof. Giocchino Viggiani – email: cino.viggiani@3sr-grenoble.fr
- Prof. Marie Violay – email: marie.violay@epfl.ch
- Dr. Felipe Orellana – email: felipe.orellana@epfl.ch

Publications & Conferences

- “Hydraulic Properties of the Fault Zone in the Opalinus Clay Formation, for the Application in Nuclear Waste Storage” - Thesis, presented in partial fulfilment of the requirements for the degree of Master Mécanique, Energétique et Ingénieries Spécialité Internationale “Geomechanics, Civil Engineering and Risks” – *Currently preparing in conjunction with my research supervisors a manuscript for a scientific paper publication.*
- “Electronic hydraulic sensors applied to Civil Engineering” – Thesis, presented in partial fulfilment of the requirements for the degree of Bachelor in Science of Civil Engineering.
- Speaker at the Seminar of Hydroelectric Generation Focused on the Integrated Management of Water Resources - Universidad del Valle de Guatemala.