



Enrique Larios Vargas

Computer Science (Ph.D.)

Skills

Research 6+ yrs.

Teaching 8+ yrs.

Software development 5+ yrs.

Software security 2+ yrs.

Behavioral science 2+ yrs.

**Big data/
Data science** 2+ yrs.

Interpersonal skills

**Leadership/
Mentorship experience**

Self-directed learner

Spanish L1

English C1

Dutch A2

Motivation

I am a postdoctoral fellow at the University of Victoria, working in the CHISEL group in the Behavioral Science of Software Security. Previously, I was a lecturer at the Delft University of Technology in the Netherlands, and I have been specializing during the last three years in software analytics and behavioral science. Passionate about applying research and engineering skills to solve societal challenges, particularly security. I am interested in devising innovative ways through the lens of behavioral science to understand consumers' and practitioners' behaviors for solving recurrent challenges in the industry.

Work experience

Postdoctoral fellow

03/2021 - today

Faculty of Engineering and Computer Science (Prof. Margaret-Anne Storey)
University of Victoria - BC, Canada

- I am conducting multidisciplinary research in the Behavioral Science of Software Engineering, specifically Software Security.
- Leading a project aiming to develop a framework to help organizations nudge developers into adopting software security practices.
- My postdoctoral work also consists of mentoring Ph.D. students and master students at our research group.

Lecturer and researcher

08/2020 - 02/2021

Department of Software Technology
Delft University of Technology - Delft, The Netherlands

- Co-lecturer in the Software Engineering Methods (SEM) course, Bachelor in Computer Science, Fall 2020,
- Conducted an empirical study which consisted of a cross-sectional interview study aiming to understand how software professionals address security issues in Financial Services Organizations,
- Co-supervised a master thesis project concerning code comprehension and the application of eye-tracking techniques for analyzing the understanding of test code,

Postdoctoral researcher

06/2017 - 06/2020

SIG - Amsterdam, The Netherlands

- I was the lead researcher in the CodeFeedr project, coordinated the efforts to make software analytics a core feedback loop for software engineering projects.
- Conducted a cross-sectional interview study to understand how software practitioners make choices concerning software libraries, designed and launched an online survey to explore and understand software practitioners' perceptions regarding the selection of third-party libraries.
- Designed and implemented a platform to live monitor (near real-time) the popularity of software libraries on GitHub.

Research Associate

01/2016 - 06/2017

Leiden Institute of Advanced Computer Science
Leiden University - Leiden, The Netherlands

- I was the lead researcher in the Grip op Software (GROS) project. I led the design and development of a platform to enhance the software quality measurement.
- My role was gathering and aligning the requirements from multiple IT stakeholders to design and develop the data management platform.

Education

09/2010 - 11/2015

Computer Science (Ph.D.)

Leiden Institute of Advanced Computer Science - Leiden University

Leiden ▪ The Netherlands

03/2005 - 12/2007

Systems Engineering and Computing (M.Sc.)

San Marcos University

Lima ▪ Peru

08/1994 - 12/2000

Informatics Engineering (B.S.)

Pontificia Universidad Catolica del Peru

Lima ▪ Peru

Interests

- ▶ Volleyball
- ▶ Volleyball Referee
- ▶ Cooking
- ▶ Travel
- ▶ Movies

Contact

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V8Z 6A7 Victoria BC, Canada

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🌐 github.com/elarios

🐦 twitter.com/e_lariosvargas

Lecturer

Leiden Institute of Advanced Computer Science
Leiden University - Leiden, The Netherlands

08/2014 - 06/2017

- Course: Seminarium en Onderzoek, Bachelor in Informatica, Spring 2017.
- Course: Web Technology, Master in Media Technology, Spring 2017.
- Course: Software Engineering, Master ICT in Business, Fall 2014-2016.
- Course: Software Engineering, Bachelor in Informatica, Fall 2015.

Lecturer and Student Counselor

Department of Engineering
Pontificia Universidad Catolica del Peru

08/2005 - 08/2010

- Courses: Software for Telecom. 1 & 2. Topics: Object Oriented Programming, Database Systems, Networking, and Web technologies.
- Bachelor thesis supervisor and undergraduate students counselor.

Software Engineer and ICT Consultant

Technology Team
Data Voice S.A.C. - Lima, Peru

01/2001 - 08/2006

- In charge of the development of solutions integrating Telecommunication systems and Information systems.
- As a senior engineer, I led the deployment of Contact Center solutions in several telecom providers in Latin America.

Job references

- Prof. Margaret-Anne Storey
The Computer Human Interaction & Software Engineering Lab (CHISEL)
University of Victoria
mstorey@uvic.ca
- Dr. Mauricio Aniche
Assistant professor
Software Engineering Research Group - TU Delft
M.FinavaroAniche@tudelft.nl
- Prof. Dr. Ir. Fons J. Verbeek
Head of the Imaging & Bioinformatics Group and Ph.D. supervisor
Imaging & Bioinformatics - Leiden University
f.j.verbeek@liacs.leidenuniv.nl

Publications

- V. Arora, E. Larios Vargas, M. Aniche, & A. van Deursen (2021). "Secure Software Engineering in the Financial Services: A Practitioners' Perspective". (*Under review*)
- E. Larios Vargas, M. Aniche, C. Treude, M. Bruntink & G. Gousios (2020). "Selecting third-party libraries: The practitioners' perspective". In: *Proceedings of the 28th ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE USA, 2020)*.
- E. Larios Vargas, J. Hejderup, M. Kechagia, M. Bruntink & G. Gousios (2018). "Enabling Real-Time Feedback in Software Engineering". In: *Proceedings of the 40th International Conference on Software Engineering: New Ideas and Emerging Results Track ICSE-NIER, Sweden 2018*.