Remy Luisant

Silliness, Computing, Warmth, Optimization and Teaching

Contact information

Email	contact@luisant.ca
Location	British Columbia, Canada

Language skills

Fluent	English
Strong	French
Limited	Polish, German, Mandarin

Programming

Hardware design	VHDL, Verilog
Systems and Embedded	C, C++, Processing
Assembly languages	AMD64, CR816, MSP430, KCPSM3
General purpose	Common Lisp, Shell scripting, Java
Math and Data analysis	Julia, Matlab, R
Databases	SQLite, ETS
Basic skill	Erlang, Ruby, HTML, Python, VBA, VB.NET, LaTeX

Education

2014 - 2015	Master of Science
	Department of Computing Science
2010 - 2013	Bachelor of Science
	Department of Computing Science
2009 - 2010	University transfer program
	Department of Computing Science

Work experience

Dec 2016 - Present	Founder	Whimsical Guides

Creating educational material for multiple online guidebooks.
Full-stack development, with focus on the back-end.
Arranging advertising, domains, email system, server rentals and backups.
Developing software to support material creation.
Following the best practices for legible typography on a responsive website.

Summer 2015 - Spring 2017	Adjunct instructor

Delivered lectures three times a week and held office hours.
Coordinated teaching assistant activities.
Developed the course website and sets of lecture slides.
Designed assignments, exams and the course schedule.

Summer 2016	Adjunct instructor

Delivered twelve hours of lectures and lab sessions a week.
Maintained a high level of classroom discipline while teaching groups of students with significant educational, language and behavioral shortfalls.
Managed the course material via Moodle.
Created assignments and exams to be reviewed and censored by the department.
Perpetuated a travesty of a school by not quitting on day one.
I'd rather die ten thousand times than do this again. :(

Fall 2014 - Present	Research Assistant

Implementing and running economic simulations in the MATLAB language.
Using statistical methods to analyze and display aggregate simulation results.
Working with pre-existing body of code and discipline-specific literature.

Summer 2014 - Spring 2015	Freelance programmer

Worked in medical and business contexts, on an as-needed basis.
Mainly with highly-skilled data entry and normalization, with a strong need for precision.
Extensive use of scripting, automation and macro systems to speed up task completion.
Provided feedback on website design and reported possible issues in business processes.

Spring 2013	Laboratory assistant

Most recent teaching assistant employment on record.
Returned to the school for instructional tasks at request of instructor.
Attended classes, and helped students during the lab sections.

Summer 2012 - Spring 2015	Research assistant

Participated in various research projects, pertaining to both computer hardware and software.
Interfaced with gate array technology to enable event-counter hardware.
Operated FPGA-based multicore hardware with explicitly managed memory hierarchy.

Spring 2012	Undergraduate teaching assistant
	Responsible for holding office hours once a week. Marked exams and homework assignments. Provided feedback to students on their performance, by email or during appointments.
Summer 2010	Lab Aide
	Responsible for answering questions regarding any course in the curriculum during designated helpdesk hours. Assisted instructors during exams and lab sections. Fulfilled request to deliver lecture when instructor was absent.
Fall 2009 - Spring 2012	Student Marker and Laboratory assistant
	Marked homework assignments for multiple classes with multiple course supervisors. Face-to-face contact with students during lab sections, occasionally assisted the instructors with/presented the lab section of classes. Starting Summer 2010: Due to good performance, was awarded the Marker II pay grade, usually reserved for individuals with a completed degree.
Summer 2009	Technical Writer
	Wrote manuals for software products and merged them with previously created material. Extensive use of scripting and templating to provide consistent look for all pages, old and new.
Spring 2009	Library shelver
	Helped library patrons locate books. Reshelved previously taken out material. Performed shelf-reading to make sure that the material was shelved in the correct order.

Awards

Summer 2013	Undergraduate Student Research Assistantship
	A research award for outstanding students interested in pursuing research
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Spring 2010	Memorial scholarship
	Awarded to the top student in the department

Independent activities

Fall 2015 - Summer 2016	Reading Group
	Organizing weekly meetings focused on reading papers on topics of interest to group members. Providing commentary on scientific publications dealing with optimization. Performing experiments and demonstrating the techniques discussed in practical use. Managing the group website and mailing list. Leading research and experiments aimed towards a publication.
Summer 2013	Lightning Talks
	A short presentation on the topic of hardware design and low static power consumption.