

RADU LUCHIANOV
Curriculum Vitae

Current address: Radu Luchianov, 103 Country Hills Villas NW, Calgary, AB, T3K 4S8 CANADA

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Legal status: Canadian citizen (from 2005)

Language skills:

English (fluent: CAEL2000:70, TOEFL95: 653, translator diploma from the Romanian Ministry of Culture, 1990),

French (fluent, translator diploma from the Romanian Ministry of Culture, 1990),

Romanian (native),

Bulgarian: (conversational).

Work experience:

Hitachi-ID Systems Inc., Calgary, AB, Canada

January 2014-present

Infrastructure Architect

(full-time troubleshooting for credential/identity management)

- maintained first an informal set of issues and solutions in plain text with markup, then pages on the company wiki, then knowledge base (KB) articles in googleDocs, YouTrack, ZenDesk;
- contributed to correcting and detailing documentation for the company product suite;
- customer admin support for the company's Identity Management Suite; advanced-to-expert level in IAM: Password Management, Privileged Access Management, Group Management and Identity Management;
 - processed escalations on complex client issues on phone calls, email, WebEx, gMeet and in person;
 - consulted for system administrators in government, NGOs, universities and Fortune 500 companies like Govt. of Alberta, IMF, RBC, Morgan Stanley, Coca-Cola;
 - federated authentication/identity (SAML, Okta, RSA, OTP, OTTP, and more);
 - MSSQL configuration, administration and optimization for various types of loads in baremetal and virtualized environments;
 - simple to minor scripting and script adjustment in python, SQL, tracing C++ code;
 - minor branding and functionality changes using m4, HTML, javascript and typescript (angularjs), [s]CSS;
 - IIS and Apache troubleshooting and configuration;
 - process tracing on Windows and various UNIXes, testing patches (binaries, t-sql stored procedures, scripts), version control (svn, git);
 - integrated and troubleshot with APIs for tens of systems, from network operating systems, databases, ticketing systems, HR and Finance, web applications, and more.

WestFair Foods Ltd., Calgary, AB, Canada

September 2008-September 2013

Lumper, then Inventory Control clerk, Auditor, IC Supervisor, Operations Specialist

(full-time grunt-to-manager; database use: updated content, designed/simplified reports; manual labor)

- maintained the stock database current (WestFair Ltd. is a division of Loblaws Canada);
- process improvements (both for people and in collecting and collating data);
- optimized stock pick locations for reduced load assembly travel, reduced packaging damage and resulting pallet stability;
- corrected/maintained location measurements for reduced storage/putaway damage;
- verified accuracy of outgoing stock;
- supervised the dunnage building.

All Labor Inc., Calgary, AB, Canada
Lumper, then Foreman

September 2007-September 2008

(full-time manual labor)

- assisted product receivers in separating stock from incoming trailers for WestFair Ltd. (division of Loblaws Canada)
- used my own PalmPilot tools (text, spreadsheet) and Excel (with macros) to track tasks/trailers and stock to their designated POs and floor locations.

Sitel, Ottawa, ON, Canada

February 2006-August 2007

Case Specialist / Event Manager for HP LaserJet printers

(full-time hardware support)

- maintained an issue/solution database with a wiki (php-based) which I ran on my own workstation;
- provided second level technical support to field technicians, IT support and end users on the entire line of HP LaserJet printers;
- managed the issue processing from start to end, monitored issue status, Logistics and part delivery;
- follow-up with the end-user.

Monicsoft, Canada (self-employed)

August 2004-June 2007

Web Design Consultant for the creeculture.ca project

(contract web development)

- co-designed the interfaces and implemented front ends (DHTML and Flash), and back ends (php, mySql), and the dynamically generated XML on three subject-specific web databases (museum objects, photos, place names), data filters and web user interfaces;
- one of the interfaces was helping visualize a large, vectorial (GIS) web map service.

Carleton University, Ottawa, ON, Canada

April 2002-June 2007

Web Design Consultant for the www.EastCree.org project

(part-time and contract software development)

- designed and implemented (under the fast-prototyping paradigm using analysis of user data and web logs to drive development):
 - a site-wide template with multilingual, page-aware dynamic menus,
 - an efficient multilingual database applied to books and native stories (with associated online maintainer interface),
 - a database-driven lexicon/dictionary,
 - a lightweight gif-based bitmap font for displaying Cree syllabics on any platform/browser,
 - a collaborative content management tool, various data filters and a series of related databases to support the language documentation process;
- tutored Cree natives in the use of Windows, networks, audio recording and digital audio processing, and the maintenance of the catalogue described above.

Canadian Research Council, Ottawa, ON, Canada

June-September 2002

Research Assistant for the Advanced Video Systems Lab

(literature research)

- researched specialty publications for testing a hypothesis on stereoscopic vision

Carleton University, Ottawa, ON, Canada

March-May 2001

Web Design Consultant for the Computer Usability Research and Evaluation Lab

(part-time web development)

- fixed some functionality issues from a knowledge management point of view (mainly form-content separation), and implemented client-side dynamic search on the Lab site.

studioVISIA, Sofia, Bulgaria August-November 1999
Project Leader

(full-time project management and web interface+design support tool development)

- managed teams of 3-4 members in creating Web-based presentations;
- worked on optimizing the workflow in our distributed office: Sofia, BG (HQ) - Austin, TX (co-located server) - Beverly Hills, CA (PR).

Hagios-Mamas archaeological excavation, Hagios Mamas, Greece August 1999
Database Designer and Administrator

(full-time database development)

- adapted the ZBDD expert system (see below), to German terminology and syntax;
- optimized the user interface for the use of the excavation director.

East-European Center for Cognitive Science, Sofia, Bulgaria October 1998-July 2000
Research Assistant for the Psychological Research Lab

(part-time software development and technical support)

- software maintenance (on Mac, Dos/Windows and Solaris);
- experiment design, data gathering and formatting, statistics;
- web design for the Center's website, minor client-server development.

American University in Bulgaria, Blagoevgrad, Bulgaria June 1997-August 1999
Computing Consultant for the Southeastern European Studies Center

(part-time software development and operation)

- maintained and expanded the archaeological excavation expert system database;
- Designed and tested interface elements (widgets);
- suggested and prototyped web applications (including a series of vectorial map and drawing hyperlinked websites using Macromedia Freehand's web plugin);
- led two teams of students on several projects.

Struma Valley Project, Blagoevgrad, Bulgaria January 1996-June 1997
Director of Computing

(full-time software development, technical support and training)

- created, tutored, managed and directed the Electronic Publishing Team;
- edited and implemented DTP, relational databases, WWW and stand-alone multimedia projects.

AUBG Internet Team, Blagoevgrad, Bulgaria February 1995-October 1996
Web Administrator

(part-time software development and technical support)

- extended the University site, helped members of the faculty and administration to establish their on-line presence using a simple, barebones CGI-driven content management system I wrote in C.

American University in Bulgaria (AUBG), Blagoevgrad, Bulgaria March 1993-January 1996
Research Assistant for the South-Eastern European Study Dept.

(part-time software development and operation)

- edited and implemented ZBDD: an expert system and MIS for archaeological excavations;
- Mince'Em: an expert system for Conflict Resolution;
- various DTP, database, WWW and stand-alone multimedia projects;
- helped prepare materials for class presentations;
- during this time, but not as part of my duties, I developed Switch: a small trains-routing system that can calculate optimal graph-traversal schedules given a series of constraints (TurboPascal).

American University in Bulgaria (AUBG), Blagoevgrad, Bulgaria October 1992-May 1993
Student Assistant for the Computer Science Dept.

(part-time training, minor client-server development)

- helped prepare materials for class presentations;
- developed PresentaTHOR: 3D object editor with presentation manager and very simple statistics for calculating accuracy scores for a psychological experiment on imagery (Shepard and Metzler, 1971);
- developed JMCStat: a distributed point-of-entry (client-based, with data collation at server-side) database for coding data and characteristics from the printed press and TV;
(these two projects were done in TurboPascal).

Romanian Building Research Institute, Bucharest, Romania July 1991-August 1992
Computer-Service Technician in the Earthquake Engineering Dept.

(full-time technical support, some software development)

- main project: analog-digital conversion of seismic data and the automation of seismic data processing;
- software support for SAP, CASE, MathCAD, MS Office, AutoCAD, DOS and Windows3x;
- collaborated on a patent for a device to capture wind pressure data on tall structures, and that data's storage and retrieval using Z80-based modified home computers for use as structure-embedded devices;
- wrote (in Fortran, then 8086 assembler) a DOS driver for a large industrial digitizer and some (Basic, and Lisp in AutoCAD) software for digitizing accelerograms from seismic data strips.

Romanian Building Research Institute INCERC, Bucharest, Romania July 1990-June 1991
Computer Operator in the Earthquake Engineering Dept.

(part-time technical support)

- selected hardware for the needs of the Department;
- maintained analog-digital data acquisition equipment;
- suggested improvements for field data acquisition;
- developed Deviz (in Basic): accounting software for generating invoices and calculating people/hour necessary for specific tasks;
- developed a GUI for VDT52 terminals on PDP11 and clones (using CP/M scripting and terminal escape sequences);
- other small process automation scripts and programs.

Education:

2019-2020: udey.com courses (business writing, vim, python)

April 2019: auth0.com; **course**: Introduction to CyberArk Privileged Access Security.

Feb-April 2018: Chinook Learning Services; **course** Personal Communication.

Fall 2000 to 2006: Carleton University, Ottawa, Ontario, Canada; work toward a **PhD** in Cognitive Science.

Fall 1997 to Summer 2000: New Bulgarian University; work toward an MS in Cognitive Science.

Fall 1992 - Summer 1996: American University in Bulgaria; **BA** in South-Eastern European Studies.

Fall 1991 - Summer 1992: "Dimitrie Cantemir" University, Bucharest, Romania, Hotel Management class.

Teaching experience:

Spring 2001: teaching assistant for the course **Communication Skills for Engineering Students** (23.100), Carleton University, Ottawa, Canada;

Fall 1999: teaching assistant, **Experiment Design** (PSY201), New Bulgarian University, Sofia, Bulgaria;

Fall 1998-Spring 2000: trainer, **running experiments on computers** (handling hardware, MacOS, Windows, PsyScope, Word&Excel, text editing, data storage), New Bulgarian University, Sofia, Bulgaria;

Fall 1996-Fall 1997: adapted tutorial (see below) for **WWW Publishing/Maintenance** to train student assistants, BG-BIO (Bulgarian Business Investment Opportunities) Program, Blagoevgrad, Bulgaria;

Spring-Summer 1996: created (compiled), lectured and tutored a course for student assistants in **computer operation/DTP/multimedia/online publishing**, Southeastern European Studies Center, Blagoevgrad, Bulgaria;

Spring 1993: teaching assistant, **AUB100 course** (teaching DOS, Win3.1, MSWord, MExcel);

Spring-Summer 1989: freelance tutoring (high-school level), **Math and Physics**.

Computer skills:**modeling languages:** UML (fluent), VRML (fluent)**object-oriented design:** UML (Booch92 to UML 2.2 and xUML), the Booch Method, Rational Rose**programming languages:** JavaScript (fluent), python(fluent), php (some), JSP (some), perl (some), Java (minimal), TCL/TK(tinkering), Prolog (some), CommonLISP (some), C++ (some), Pascal (fluent), C (some), FORTRAN (memories), ADA (some), Assembler (Z80,I8086) (some), BASIC (fluent), LOGO (some);**markup languages:** XML(+XMLSchema+XSL+XSLT: some), HTML (fluent), RTF (some), TEX (some)**database management systems:** MSSQL 2005-2016, mySql, OracleServer7-11g (with PowerBuilder 5-6), FileMaker1-4, MSAccess1-8, 4thDimension2-3.5, Approach2, dBase, FoxPro**internet technologies:** TCP/IP, mail (SMTP and NNTP over POP3 or SLIP), telnet, ftp, irc, icq, HTTP1-2, HTML1-5, XHTML, AJAX, CSS1-3, SVG, MathML, XML+DTD, VRML1-2,97, X3D, CGI (using node, python, php, C, perl and Unix shell(s)), RCS, dCVS (svn, git)**servers maintained:** Hitachi ID Suite, IIS 2003-2016, Xitami, Apache1-2, WebTen, httpd (a 1992-3? CERN version), ftpd (no nginx yet)**hypervisors:** maintained: HyperV, XenServer, virtualbox; as end-user, but familiar with the architecture and integrations for: ESXi, Citrix, LPAR (under z/VM and z/OS)**multimedia:** HTML5, Flash2-8, Director5-6, Astound2, SoundEdit16(1-2), Deck II, CakeWalkPro(3-5), CoolEdit(2-2000), PowerPoint 6-8, Presentations 8, avconv/ffmpeg, ScreenRecorder**imaging and desktop publishing:** Blender, Lightwave3D 5.5, 3DStudioMax2, Bryce1-3, Poser1-2, Dimensions3, Extreme 3D 1-2, Cool3D 2, Xara3D, POV-Ray, FreeHand4-10, Fireworks1-8, Illustrator 6-8, CorelDraw/Paint 7, VISIO2-3, Photoshop2-7+KPT1-5+etc., FrameMaker(4-5.5), QuarkXPress2-3.22, PageMaker4-6, Acrobat 2-5, Streamline2-4, [La]TeX**computer-aided design and engineering:** DesignCAD 2D/3D, WorkingModel2D-3D 4, BCAD3, AutoCAD9-14, Formz2.91, MiniCAD5-7, SAP (structure design and analysis, not the ERP), CASE**spreadsheet:** GoogleSheets, LibreCalc, MSEXcel1-8, QuattroPro8, Lotus 1-2-3**math:** MATLAB6, Statistica 6-7, SPSS5-10, MathCAD2-6**text editing:** MonDoc, VCode, PyCharm, Geany, notepad++, BBEdit2-5, NoteTab2-4.95, pico, Notepad, vi(m)**word processing:** GoogleDoc, LibreWriter, MSWord1-8, WordPerfect3-7, ClarisWorks1-5, WordStar2-4, MSWrite**operating systems:** Windows (Server2003-2019, 10, 8.1, 7, XP, 2k, NT, 9x, 3x, 2), MAC OS/System 6-X, UNIX (SystemV, BSD, SCO, Linux (Xubuntu, CentOS, Mint, SuSE, Slackware), XWindows, XTen, Solaris, AIX), BeOS, OS/2, DOS2-9, CP/M, VMS**Awards:**2002-2005: **Research Assistantship** from the EastCree.org project, Carleton University;2000-2004: Carleton University Graduate **Scholarship**, PhD programme in Cognitive Science studies;2000: **First prize** (personal pages-academic units), New Bulgarian University internal contest, for the University of Management area - on which I designed the dynamic page interaction and some of the programming in Flash;2000: **Second prize** (personal pages-faculty and administration), New Bulgarian University internal contest, for my home area;1997-1999: Open Society Foundation (Sofia) **Scholarship**, MSc programme in Cognitive Science;1997: **First prize** (Bulgaria), Global Inventory Project contest for a WWW site (leader of a design team of five students);1992-1996: Soros Foundation for an Open Society (Bucharest) **Scholarship**, BA programme;