

Andrei Roșu-Cojocaru

Education

- 2000-2005 Politehnica University of Bucharest – Automatic Control and Computers Faculty
Computer Science and Engineering Department
Admission Average : 9.53 out of 10 / 5-Year Grade Average : 9.68 out of 10
Project Diploma Average : 10 out of 10
Project Diploma Subject : “Ontology Browser for an Expert Systems Framework”
- 1996-2000 National College of Computer Science “Tudor Vianu” – Bucharest
Admission Average : 10 out of 10 / 4-Year Grade Average : 9.95 out of 10
Baccalaureate Average : 9.68 out of 10 (Programmer’s Assistant Diploma)

Projects

- 2005 Expert Systems
“mini-CLIPS Interpreter” – an interpreter for a subset (including functions) of CLIPS language simulating the inference engine (written in C with flex and bison for parsing)
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- 2004 Database Design
“OnLine School” (web-site developed with PHP and MySQL for managing activities being done in a typical Romanian school making possible virtual interaction between teachers, students and parents)
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- 2004 Functional Programming
“Counterfeit Coin” (implemented both in functional languages – such as Scheme – as in “classical” languages – such as C++) – being given N coins from which one is counterfeit one wants to determine which is it performing a minimal number of weights
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- 2004 Real-Time Software Systems
“Lempel-Ziv Archiver” (written in Java with a GUI)
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- 2003 Digital Computers
“MIC-3 Java Processor” (a cheap and fast JAVA processor whose instruction set architecture represents a subset of JAVA Virtual Machine, in respect to the pipelined model; both translation program from ijvm format to binary as MIC-3 simulation program are written in Java).
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- 2003 Software Engineering
“Project Management for Software Engineering Course” (web-site developed with PHP and MySQL for easy interaction between the teaching assistant and the students regarding the submission of projects).
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- 2003 Algorithms Analysis
“Genetic Algorithms” (classical problems on graphs solved by genetic algorithms written as Java applets; the project is available at <http://proiectaa.idilis.ro>)
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- 2002 Numerical Devices Analysis and Synthesis
“Device for Sorting and Packing Apples” – theoretical project describing a finite automata.

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Achievements

2003-2004 Oracle Academic Initiative

Diploma: Certificate of Course Completion

2003 European Computer Driving License

Diploma: ECDL Final

2002-2003 Cisco Networking Academy Program

Semesters 1-4

Diploma: Cisco Certified Network Associate 604-647 (962 points out of 1000 at certification exam)

spring 2001- Politehnica University of Bucharest
spring 2004 Automatic Control and Computers Faculty
Study Scholarship based on exam results

Computer Skills

Programming C/C++, Java, Python, Scheme, CAML, Haskell, CLIPS, PROLOG, Assembly, Verilog, Parallax, SR, lex, yacc, html, JavaScript, xml, xsl

Operating Systems Microsoft Windows 9x/ME/2000/XP/2003
Linux (Red Hat, Fedora Core, Debian, Mandrake, Knoppix)
UNIX (Solaris)
Cisco IOS (for switches and routers)

Other Skills

Languages English (advanced), French (intermediate), German (beginner)

Driving Licence B category (since october 2001)

Military Service Unsatisfied

Interests

Embedded Systems, Computer Networks Design, Photography, Orthodox Dogmatics, Psaltic Music