



roseyedu
romanian open source education

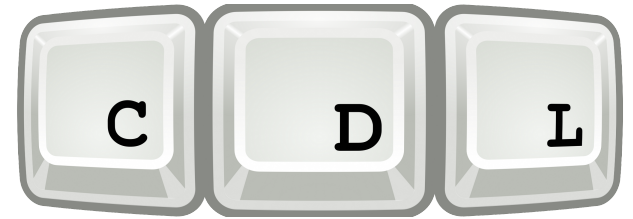
Projects

- WebDev - <http://webdev.rosedu.org/>
- CDL - Community & Development Lab - <http://cdl.rosedu.org/>
- OSSS - Open Source Summer School - <http://open-source.cs.pub.ro/summer-school/>
- Hackday - <http://hackday.rosedu.org/>
- Workshops - <http://workshop.rosedu.org/>
- RTT - ROSEdu Tech Talks - <http://techtalks.rosedu.org/>
- ROSEdu TechBlog - <http://techblog.rosedu.org/>
- RSoC - ROSEdu Summer of Code - <http://rsoc.rosedu.org/>
- WoUSO - Word of USO - <http://wouso.rosedu.org/>
- LIF - Linux Install Fest - <http://lif.rosedu.org/>



- a **semester long course** on the basics of Web Development
- start with students having no prior Web development experience and over the course of 10 weeks, **teach them the basics** so that they can continue learning on their own or even intern as WebDevs
- one 3-4 hours long hands-on course per week held by a **professional WebDev**
- **2 hack-days** to work in teams guided by a mentor on a web app of their choice
- **15 people** for this year's **second edition**

Open Source



Community & Development Lab

- launchpad for joining the Open Source world
- contributes to community building
- students team up with mentors and work on open source projects
- technical presentations
- hackathons
- talks by people in the industry
- currently *preparing* for the 6th edition:
 - ~ 15 students / edition
 - ~ 6 projects / edition
- afterwards:
 - Google Summer of Code
 - internships in Silicon Valley

Open Source Summer School



- two week course during the Summer holiday
- main goal is to present Open Source tools and principles
- provide the basic skills and knowledge required to take part in Open Source projects
- first edition in 2012
- technical presentations
- hackathons where all participants work on the same project, guided by a mentor from the projects' community
- talks by people in the industry
- 15 students

ROSEdu Hack Day



- Open Source projects with mentors
- anyone can join and work on a project at choice
- opportunity to work with new technologies
- upstream contributions
- one day events, usually during the weekend
- started in 2011
- ~15 participants / edition



ROSEdu Summer Workshops

- First edition in 2012
- Four workshops with hands-on activities in which students had the opportunity to learn about concepts and technologies used in four different areas of Computer Science:
 - Linux System Administration
 - Linux Kernel Development
 - Algorithms and Data Structures
 - Database System Design
- Each workshop had a specific target among students, so that they had the necessary prerequisites
- The presentations and the activities were coordinated by members of ROSEdu or partners either with experience from their area of interest or from industry
- Presentations, organizers and participants from the first edition can be found at <http://workshop.rosedu.org/wiki>

TechTalks, TechBlog

spreading knowledge



- projects with the purpose of sharing technical knowledge both within the community and outside it
- anyone is free to contribute
- TechBlog presents information in a more concentrated form while TechTalks emphasizes on a wider approach of the topic and live interactivity
- started as independent projects, were joined this year
- topics touched: C preprocessor, Git, sending patches upstream, C constructs, IPv4 vs IPv6, Python WSGI, Hadoop, VoIP
- around 12 ROSEdu members involved and around 20 people present at TechTalks each time
- comments from outsiders on TechBlog and suggestion to contribute content; TechTalks was well received and appreciated both by participants from the faculty and other organisations' members
- featured on HN and Reddit

ROSEdu Summer of Code



ROSEDU SUMMER
OF CODE

- takes place each summer
- first edition was in 2008
- students work on Open Source projects
- mentors guide teams of students throughout the summer
- in 2012, partners help us award scholarships to the participants
 - Adobe, Bitdefender, Allevo, KSS
- ~ 10 students / edition
- ~ 6 projects / edition
- relevant contributions to important projects:
 - Webkit
 - DEX Online
 - Digikam
 - Redmine
 - Pidgin
 - i18n
 - OpenStreetMap
 - Mozilla Add-ons

World of USO



- educational game for 1st year students
 - currently used for Introduction to Operating Systems class
 - will be implemented in other classes (System Programming, Kernel Programming)
- different games
 - Question of the Day: one question / day
 - Challenge: 2 players, 5 questions, 5 minutes... 1 winner
 - Special Quest: fun real world tasks for teams with maximum 4 players
 - Weekly Quest: 10 geeky levels with incremental difficulty
 - Final Quest: hacking a virtual machine
- technologies involved
 - Django framework (based on Python)
 - MySQL backend
 - Git, Redmine, Mailman for team collaboration
- gameplay
 - story of Isoropia: 3 races, each consisting of 5 classes
 - dynamic interaction on a forum
 - award ceremony

Linux Install Fest



linux
install
fest
octombrie 2012

- first edition in 2008
 - targeted at 1st year students
- offering aid & technical support for installing and configuring their Linux distribution
 - introducing fellow students to the Linux community
- participation
 - each edition saw more participants than the previous one
 - positive feedback from both participants and support team (providing mentorship and advice to users)
- 2011 edition has seen a dramatic improvement in organisation
 - organised in the faculty's main hall
 - over 100 participants
- organised in collaboration with other communities: RLUG, Ubuntu, OpenSUSE, ArchLinux and Mageia Romania.