

# CV Autogeneration Web Service for the FRUCT Community

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## Abstract

Finnish-Russian University Cooperation in Telecommunications (FRUCT) is the cooperation between universities and industry in Europe and Russia. [1] It has many distributed groups of people, which are situated in different countries, cities, universities and laboratories. Up to now there are more than 20 universities from Russia, Finland, Denmark and other European countries involved in the program. [2] The main aim of the community is support of international collaboration of R&D groups both from academy and industry, propagation of students and staff mobility and, therefore, increasing the overall level of research. [3] There are some communication and management problems, such as absence of united database of knowledge about all FRUCT members, their activity, interests, projects etc., lack of contacts between FRUCT members (two face-to-face meetings per year only) and intricate structure of community. [4] FRUCT social network is a social service, approaching to solve these problems inside FRUCT community. [5]

CV (curriculum vitae) provides an overview of a person experience and different qualifications. [6] In some countries a CV is typically the first item that a potential employer encounters regarding the job seeker and is typically used to screen applicants, often followed by an interview, while seeking employment. [6] Most of all CVs consist of following parts: personal information (some person data); job experience (information about company, place, functions, etc.); higher and sometimes secondary education (university/college/school, speciality, average grade, sometimes department and degree thesis); publications (authors, journal or conference, year, title) – this part will be included in CV if person have publications; language skills (languages and levels of languages); professional interests and professional skills (information about person authority).

There are a lot of standards for writing CVs and many services which offer to generate CV automatically. Main disadvantage of such services is that user needs to fill in a lot of fields and enter a lot of information about himself, his education, job experience, etc. However user entered the same information scores of times, for example when he filled in some forms for social networks or some other sites. For example, when person fills in his profile on Facebook (one of the most popular social networks), he needs to fill in some personal data (name, date of birth, family status, etc.), information about education (school or university, speciality and date), job experience (company, place, dates), information about languages spoken by person, some interests. [7] It is easy to see that most of the information required to generate CV can be found on person Facebook page.

One of important features of FRUCT social network is a CV autogeneration. If you use CV autogeneration in social.fruct.org you don't need to fill in any fields. This service receives all information from user page in social.fruct.org. And it is its main advantage.

Autogenerated CV consists of six sections:

- personal (sex, birthday, web-site and e-mail, skype, current location and hometown);
- higher education (dates, university, speciality);
- work experience (dates, company, place, summary – short explanatory materials about professional experience and fields of competence);
- languages (languages and levels of languages);

- publications (authors, title, journal/conference, year);
- professional interests.

When you upload new publication, you can choose if you want to show it in your CV. Also you can download publications list in \*.docx, \*.tex, \*.rtf and \*.pdf formats. If there is no information on user page in some section, it wouldn't be shown in CV. Also user can upload his own CV file in \*.doc, \*.docx and \*.pdf formats, and choose which version he prefers to show on his page: his own or autogenerated. At present autogenerated CV is available in \*.docx, \*.tex, \*.pdf and \*.rtf formats. If user uploads his own CV, he anyway will be able to try autogenerated CV in section "CV" in menu item "Edit profile".

Technically, we use PHP language to generate CV in all formats. CV in \*.docx format is generated using PHPWord library. [8], [9] CV in \*.tex format is generated using standart functions for working with files. CV in \*.pdf and \*.rtf formats are generated from CV in \*.tex format using scripts tex2pdf and tex2rtf. [10], [11] The most important prospect is making this service more flexible. It is going to add some new features, such as possibility to choose if you want to show your avatar in CV. Also it is going to give an possibility to choose, which professional interests, FRUCT projects and working groups, points from "Some words about", etc. you want to show in your CV. CV autogeneration is an useful feature of FRUCT social network. It allows user to get a CV with minimal effort and minimal spent time.

**Index Terms:** Social Network, FRUCT, Communication, CV.

#### REFERENCES

- [1] S. Balandin, FRUCT, Finnish-Russian University Cooperation in Telecommunications, <http://fruct.org/>, 2007.
- [2] S. Balandin, FRUCT, Review of the FRUCT Program, <http://www.fruct.org/node/290169>, 2011.
- [3] S. Balandin, FRUCT, Project Proposal of the FRUCT Social Network, <http://www.fruct.org/node/317460>, 2012.
- [4] V. Petrov, V. Kirkizh, E. Dashkova, Distributed Social Network Services for the FRUCT Community, Proceeding of 10th FRUCT conference, 2011.
- [5] S. Balandin, FRUCT, FRUCT Social Network, <http://social.fruct.org/>, 2011.
- [6] Wikimedia Foundation Inc., Curriculum vitae, [http://en.wikipedia.org/wiki/Curriculum\\_vitae](http://en.wikipedia.org/wiki/Curriculum_vitae), 2009.
- [7] Facebook Inc., Facebook Social Network, <http://facebook.com/>, 2004.
- [8] Microsoft, PHPWord Library, <http://phpword.codeplex.com/>, 2006.
- [9] The PHP Group, PHP Programming Language, <http://php.net/>, 2001.
- [10] Steffen Evers, Oscar Lopez, Tex2pdf/Lyx2pdf Homepage, <http://tex2pdf.berlios.de/>, 2001.
- [11] Pete Stieber, Tex2rtf Project, <http://tex2rtf.sourceforge.net>, 2011.