Ferhat Elmas Passionate Developer

Avenue de Rhodanie 64 Chambre 524, 1007 Lausanne Switzerland, (+41) 78 926 9917

ferhat.elmas@epfl.ch   *ferhatelmas.com*   *github.com/ferhatelmas*

EDUCATION

Master of Science, Computer Science, Internet Computing
School of Computer and Communication Sciences
Swiss Federal Institute of Technology in Lausanne(EPFL), Switzerland
Expected graduation: 02/2014, currently 5.12/6.00 GPA
Semester Project: *"Nokia Mobile Data Challenge - Demographic Attributes"*
Extra Project: *"Squall, Online Query Processing Engine on top of Twitter Storm"*

Bachelor of Engineering, Computer Engineering
Faculty of Engineering
Bogazici University(Boun), Istanbul, Turkey
Graduation grade: 3.61/4.00 GPA (4/72)
Thesis: *"Social Analysis on DeviantART"*

Bachelor of Management, Business Administration
School of Management
Anadolu University, Eskisehir, Turkey
Expected graduation: 06/2014
Long-distance education

High School Diploma, Mathematics and Natural Sciences
Bursa Anatolian High School, Bursa, Turkey
Graduation Grade: 5.00/5.00 GPA (1/152)

AWARDS & HONORS

2011 *Scientific and Technological Research Council of Turkey (Tubitak)*

- Scholarship for graduate study

2009 - 2011 *Bogazici University*
- Dean's High Honor List for all semesters

2011 *Vodafone Android Idea Contest Final*

EXPERIENCE

Software Developer
Chainism Lausanne, Switzerland Sep 12 - Present

- Enables people to barter their old stuff (RoR)

Committer, open source software
Community Software Lab Massachusetts, USA Jun 11 - Present

- View abstraction of *mvhub.com* and *northshoreport.org* (Perl)
- Database normalization and database access layer to utilize different products, currently SQLite(test) and Postgres(production), prod will be extended to use others such as MySQL. (Perl + SQL + bash)
- Writing tests for utopian 100% coverage (Perl:WWW-Mechanize)

Software Developer Part time
Bogazici University Civil Engineering Department Istanbul, Turkey   Mar 11 - Jun 11

- *Traffic Simulator* to test the performance of the congestion/incident detection algorithms, devised by Civil Engineering department (Matlab)

- Incident detection and load generation plugins for Paramics V6 (C/C++)

Teaching Assistant
Bogazici University Computer Engineering Istanbul, Turkey Feb 11 - Jun 11

- CMPE 230 - *System Programming*
- Helped students to prepare 3 projects and graded, log parser for *Apache Web Server*(Perl), command line wrapper for *AWS - cloudshell*(Perl) and GUI for *wget*(Qt)

Software Developer Part time
Pozitron Mobile Istanbul, Turkey Aug 10 - Jun 11

- *SessionSwitch Service* that monitors the employees working hours (C#)
- *kapalidevre.com digital signage system* that enable customers to prepare custom playlists and to play them on multiple machines at the same time indefinitely. Moreover, it utilizes of web services such as weather forecasts from *ntvmsnbc.com*, news from *skyturk.net*, etc. for richer content.(PHP + C# + MySQL)

Software Developer Intern
Nortel Netas Networks Istanbul, Turkey Jun 10 - Jul 10

- Market analysis for mobile SIP client
- Translation of *SIP Communicator(Jitsi)*[open source] into Turkish

Software Developer Intern
Pozitron Mobile Istanbul, Turkey Jan 10 - Feb 10

- *Download Manager*, a tool that serves mobile software at pre-Android era, is reimplemented make use of servlet 3.0 specification and applied load tests by Grinder. (JEE + Python + MySQL)
- *Server health watcher*, analytics and emergency tool. (JEE + JSP + Swing + Google AppEngine)
- Refactoring of BlackBerry corporate push application for private usage. (Java)

Software Developer Intern
Pozitron Mobile Istanbul, Turkey Jun 09 - Oct 09

- *Log parser* to extract daily statistics automatically for the mobile part of Turkish IsBank (Perl)
- *Download and Device Manager* that keep up-to-date database for mobile handsets and JSRs. According to the model of the handset, it serves the related version. (JEE + MySQL)
- *XML editor* that utilizes domain specific information to easily edit a XML document ($\sim$50k LOC) that contains information about the components of the software developed by *Pozitron Mobile*. (Java + Swing)

COMPUTER SKILLS

- Solid background on **data structures** and **algorithms** via various web sites
- **Proficient in Java** via preferably IntelliJ IDEA
- Mostly enjoys driving **Perl/Python/Ruby** but also agnostic for big guys **C/C++**
- Experienced developer in **Linux** (Debian/Ubuntu) and software version control (SVN, Bazaar, **Git**), edits in Sublime & Vim
- Played frameworks & APIs: Evernote, Facebook, Twitter, Google AppEngine, AWS, Heroku, Qt, Swing, **JEE, RoR, Hadoop, Storm**, Avro, Bootstrap, jQuery, **Android**