

Sarah Wassermann

Birth date: 17.04.1993
Nationality: Luxembourgish
Civil status: Single

81, allée Léopold Goebel • L-1635 Luxembourg
Grand Duchy of Luxembourg

+352 691 25 17 09 / +32 4 79 76 02 37
sarah@wassermann.lu



EDUCATIONAL BACKGROUND

Up-to-date: **Master's degree in Computer Science**
Université de Liège

- Activities:
 - Conducting research in the area of network measurements under the supervision of Dr. Pedro Casas
 - student representative during the academic year 2015 – 2016

2012 - 2015: **Bachelor's degree in Computer Science**
Université de Liège

- Grade: cum laude (GPA: 14,9 / 20)
- Ranked among the top 3 students during my entire bachelor's degree
 - 2nd out of 50 students in my first year
 - 1st out of 10 students in my second year
 - 3rd out of 9 students in my third year
- Activities:
 - student representative during the academic years 2013 – 2014 and 2014 – 2015
 - member of the faculty council during the academic years 2013 – 2014 and 2014 – 2015

July 2012: **General Certificate of Secondary Education**

- Modern Education: Subject area Mathematics – Informatics
 - Grade: excellent (GPA : 52/60)
 - Received the “best student prize” for having the highest GPA of my class
 - Ranked in top 1.3% of the Grand Duchy of Luxembourg
- Lycée Michel Rodange Luxembourg**

2005 – 2012: **High school**

- Received the “best student prize” in all high school classes from 2005 to 2009

Coursera:

- *An Introduction to Interactive Programming in Python*
 - **with distinction (score: 99.6%)**
- *Image and video processing: From Mars to Hollywood with a stop at the hospital*
 - **with distinction (score: 100%)**
- *Einführung in Computer Vision (score: 65.5%)*
- *Machine Learning*
 - **with distinction (score: 100%)**

TEACHING ASSISTANT

Fall 2013 and fall 2014:

- Student instructor for *Introduction to Computer Programming*, 1st year course in computer science (course taught by Prof. Benoit Donnet)
- Recipient of the Pisart Grant for pedagogical support

RESEARCH EXPERIENCE

July – Sept. 2015:

Forschungszentrum Telekommunikation Wien (FTW)

- Research internship in the context of the FP7 ICT European Research Project mPlane
- Subject: Towards DisNETPerf: a Distributed Internet Paths Performance Analyzer
Geo and topology-based location of probes at the Internet scale, relying on the well-known RIPE Atlas distributed active measurements platform. Conception and development of DisNETPerf, an Internet-scale measurement framework to track the performance of Internet paths, relying on distributed probes' location and active measurements.
- Supervisor: Dr. Pedro Casas

July 2014:

Laboratoire d'Informatique de Paris 6 (LIP6)

- Development of a generic ping tool based on libparistraceroute which can handle IPv4, IPv6 and TCP, UDP, ICMP probes
- Extension of the library
- Supervisors: Prof. Timur Friedman, Dr. Marc-Olivier Buob and Dr. Jordan Augé

WORK EXPERIENCE

Up to date:

Graphic designer at the IEEE student branch Liège

Design of flyers for events organized by the student branch

2013 – 2015:

IT Coordinator at BEST – Board of European Students of Technology

This task involves webdesign and web development

Event Organizer at BEST – Board of European Students of Technology

Organizer of events in collaboration with IEEE

- Talk about quantum computers given by Dr. André Hautot at Université de Liège, February 11th and 12th, 2014

PUBLICATIONS

Extended abstracts

- ***“Towards DisNETPerf: a Distributed Internet Paths Performance Analyzer”***
S. Wassermann, P. Casas, B. Donnet
in Proceedings of the ACM CoNEXT Student Workshop, Heidelberg, Germany, 2015

Journals

- ***“Unveiling Network and Service Performance Degradation in the Wild with mPlane”***
P. Casas, P. Fiadino, S. Wassermann, S. Traverso, A. D'Alconzo, E. Tego, F. Matera, M. Mellia
to appear in IEEE Communications Magazine, Network Testing Series

MEMBERSHIPS

- Student member of ACM
- Member of the IEEE student branch at Université de Liège
 - Participation in IEEEExtreme 8.0

LANGUAGES

<i>Luxembourgish:</i>	mother tongue
<i>German:</i>	fluently spoken and written
<i>French:</i>	fluently spoken and written
<i>English:</i>	fluently spoken and written

SKILLS

Programming languages:	C, C++, C#, Python, Java, SQL, Scheme, Delphi (also concurrent programming in C, C++, C# and Java)
Web Publishing:	HTML, CSS
Software Development Kits:	Android SDK (Java), OpenGL (C/C++), GTK+ (C/C++), Win32 SDK (C/C++)
Operating Systems:	Microsoft Windows, Linux
Development environment:	Microsoft Visual Studio (Ultimate), Eclipse
Other Software:	Adobe Photoshop, Adobe Fireworks, MathWorks MATLAB, Maxon Cinema 4D, Microsoft Word, Microsoft PowerPoint

PERSONALITY

hard worker, results driven, detail minded, self-confident

MAIN INTERESTS

travelling, reading, programming, listening to music, playing the piano, graphic design, video games

ADDITIONAL HONORS AND AWARDS

October 2015: Travel grant at ACM CoNEXT 2015, Heidelberg, Germany

REFERENCES

Prof. Dr. Benoit Donnet

Université de Liège

Tel: +32 4 36 62 27 9

Email: benoit.donnet@ulg.ac.be

Homepage: <http://www.montefiore.ulg.ac.be/personnel.php?op=detail&id=1077>

Prof. Dr. Françoise Bastin

Université de Liège

Tel: +32 4 36 69 47 4

Email: f.bastin@ulg.ac.be

Homepage: <http://www.afo.ulg.ac.be/fb/>

Dr. Pedro Casas

Forschungszentrum Telekommunikation Wien

Tel: +43 1 5052830-25

Email: casas@ftw.at

Homepage: <http://userver.ftw.at/~pcasas/>

Prof. Dr. Timur Friedman

Laboratoire d'Informatique de Paris 6

Tel: +33 9 70 44 70 94

Email: timur.friedman@upmc.fr

Homepage: <http://www-npa.lip6.fr/~timur/>