Jim Bauwens

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TOP SKILLS

PROGRAMMING

Lua • JavaScript • Java • C#
C++ • C • Python • AmbientTalk
CSS • PHP • Assembly • MySQL
Android • Angular • LINQ

LANGUAGES

English (Native)

Dutch (Native)

French

EDUCATION

VRIJE UNIVERSITEIT BRUSSEL
MASTER IN COMPUTER SCIENCE
Jan 2019 | Brussels, BE
Cum. GPA: 83 / 100

AP HOGESCHOOL ANTWERPEN
BACHELOR IN DE TOEGEPASTE INFORMATICA
June 2015 | Antwerp, BE
Cum. GPA: 87 / 100

HOMESCHOOLED
TSO - BOEKHOUDEN INFORMATICA
Feb 2013 | Brussels, BE

WORK EXPERIENCE

VUB | PHD STUDENT
March 2019 – present| Brussels, BE
PhD student at the Software Languages Lab @ VUB.
Research interests:

- Distribution and replication

- Software security

- Memory management and garbage collection

VUB | STUDENT JOB @ SOFTWARE LANGUAGES LAB
September 2018 – Dec 2018 | Brussels, BE
Work on improving the AmbientTalk platform. Technologies: Java, AmbientTalk.

VUB | STUDENT JOB @ SOFTWARE LANGUAGES LAB
July 2017 | Brussels, BE
Extending the LuAT framework. Technologies: Lua, LuAT, wxWidgets.

SIGURA | SOFTWARE DEVELOPER
July 2016 | Antwerp, BE
Development of an ActiveSync (Office 365) synchronisation library. Technologies: PHP.

DIGIPOLIS | SOFTWARE DEVELOPER
July 2015 | Antwerp, BE
Development of a graphical front-end for a workflow engine. Allow users to draw diagrams that can be used as workflow processes. Technologies: HTML5, AngularJS, Tink, JointJS, Node.js, Express.js, Socket.io.

RIJSCHOOL VERONICA | SOFTWARE DEVELOPER
July 2014 | Antwerp, BE
Development of an ERP/CRM application to manage information within a driving school. Technologies: C, ASP.NET, LINQ, Entity Framework, jQuery + AJAX, MSSQL, JavaScript, Bootstrap.

ARGIQUE | SOFTWARE DEVELOPER
July 2013 | Antwerp, BE
Developing modules for Prestashop in PHP.

TEACHING EXPERIENCE

VUB | Teaching assistant
March 2019 - present | Brussels, BE

- "Distributed and Mobile Programming Paradigms" (2019)

    - Managing exercise sessions

    - Responsible for practical evaluation of students: project design and grading

    - Upgrading software platform: improving AmbientTalk interpreter and Android platform

PUBLICATIONS

CONSTRAINING THE EVENTUAL IN EVENTUAL CONSISTENCY | PaPoC '18 - Proceedings of the 5th
Workshop on the Principles and Practice of Consistency for Distributed Data
J. Bauwens, F. Myter, E. Gonzalez Boix | Porto, Portugal — April 23 - 23, 2018
https://doi.org/10.1145/3194261.3194263
We introduce a leasing model which allows programmers to declaratively specify timing constraints for CRDTs. In short, programmers are able to attach leases to operations on a CRDT instance. When such a lease expires the underlying implementation ensures that the operation is eventually canceled for all replicas.

ABCA4-ASSOCIATED DISEASE AS A MODEL FOR MISSING HERITABILITY IN AUTOSOMAL RECESSIVE DISORDERS: NOVEL NONCODING SPLICE, CIS-REGULATORY, STRUCTURAL, AND RECURRENT HYPOMORPHIC VARIANTS | Genetics in Medicine
M. Bauwens, A. Garanto, R. Sangermano, S. Naessens, N. Weisschuh, J. De Zaeytijd, M. Khan, F. Sadler, I. Balikova, C. Van Cauwenbergh, T. Rosseel, J. Bauwens, K. De Leeneer, S. De Jaegere, T. Van Laethem, M. De Vries, K. Carss, G. Arno, A. Fakin, A. R. Webster, T. J. L. de Ravel de l'Argentière, Y. Sznajer, M. Vuylsteke, S. Kohl, B. Wissinger, T. Cherry, R. W. J. Collin, F. P. M. Cremers, B. P. Leroy, E. De Baere | 23 January 2019
https://doi.org/10.1038/s41436-018-0420-y
Impact factor: 9.937
By locus-specific analysis of ABCA4, combined with extensive functional studies, we aimed to unravel the missing alleles in a cohort of 67 patients (p), with one (p = 64) or no (p = 3) identified coding pathogenic variants of ABCA4.

PARTICIPATION IN INTERNATIONAL CONFERENCES

- Student volunteer at the International Conference on the Art, Science, and Engineering of Programming (<Programming> 2017): April 2017,Brussels, Belgium

- Attended the European Conference on Computer Systems (<Euro/Sys'18>): April 2018, Porto, Portugal

AWARDS

2018	1st place	Member of winning team Cyber Security Challenge Belgium 2018
2014	1st place	Member of winning team Hack The Future 2014 (mobile edition)

OTHERS

2016-2019	VUB	Informatica Groep
2018		Captain of the Belgian team at the European Cyber Security Challenge
fa 2015		Coach Coderdojo