Etienne Brodu

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PhD
Software developer
UI/UX Designer

Publications

Practical Aspects of High-Level Parallel Programming SAC '16

Etienne Brodu, Stéphane Frénot, and Frédéric Oblé. 2016.
Transforming JavaScript event-loop into a pipeline.
In Proceedings of the 31st Annual ACM Symposium on Applied Computing (SAC '16).
ACM, New York, NY, USA, 1906-1911.
DOI=10.1145/2851613.2851745

AWeS Workshop EuroSys '15

Etienne Brodu, Stéphane Frénot, and Frédéric Oblé. 2015.
Toward automatic update from callbacks to promises.
In Proceedings of the 1st Workshop on All-Web Real-Time Systems (AWeS '15 – EuroSys Workshop). ACM, New York, NY, USA, Article 1, 8 pages.
DOI=10.1145/2749215.2749216

Posters and Demos Middleware '14

Etienne Brodu, Stéphane Frénot, Fabien Cellier, and Frédéric Oblé.
2014. A compiler providing incremental scalability for web applications.
In Proceedings of the Posters & Demos Session (Middleware Posters and Demos '14).
ACM, New York, NY, USA, 35-36.
DOI=10.1145/2678508.2678526

Work Experiences

Mars 2016 - Now

CTO at WhatWeFund

February 2013 - 2016

PhD at Ècole Doctorale InfoMaths at the company Worldline. Liquid IT : Toward a better compromise between development scalability and performance scalability

October - December 2012

3 months contract as a Web developer / designer at Winterwell Associates, Edinburgh, Scotlant. A team of experts in mathematics, statistics, computer science and artificial intelligence.

April - September 2012

Fifth year Internship: At Atos Worldline - Prospective and Emerging Projects, design contribution to a few projects & Web development. Used HTML5 & CSS 3, NodeJs, JavaScript.

May - August 2011

Fourth year Internship: At Philips HC, Eindhoven, Netherlands. Improvement of a collision avoidance system in an embedded medical system. Used C++ and intel VTune.

June - August 2010

Third year Internship: In the CITI laboratory (INRIA), working on android's virtual machine dalvik to adapt to an OSGi modification. Used Java and C/C++ with JNI.

Education

2013 - 2016

PhD at Ècole Doctorale InfoMaths, Univérsité Lyon 1, French Institute for Research in Computer Science and Automation (INRIA), National Institute of Applied Sciences(INSA) of Lyon, France, funded by the company Worldline

First semester 2011 - 2012

Master of Interaction Design & Technologies. Chalmers University of Technology, Gothenburg, Sweden

2007 - 2012

Master of Engineering in Computer Sciences and Information Technology, National Institute of Applied Sciences (INSA) of Lyon, France

Special Skills

Programming languages	Javascript - Node.js, Go, Python, C/C++
Web	Javascript, HTML5 & CSS3
Tools & Library	Git, zsh, LaTeX, R
Graphic Design	Adobe Photoshop, Illustrator, Premiere, After Effects
Languages	French (native), English (fluent)

Miscellaneous

Travel	In Scotland, Sweden, Netherlands, Scandinavia, Germany, England, Ireland, Baltic States, Italia. Many experiences of live in a commune during those travels
Associations activities	BdE de l'Insa de Lyon (Student Union), free student-organized festival "*les 24h de l'Insa de Lyon*" ...)
Activities	Camp counselor (BAFA + PSC1)
Sport	Savate (french boxing), climbing, snowboarding, running ...