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## EDUCATION

### Doctor of Philosophy in Computer Engineering (Ph.D.)

WatForm Lab, University of Waterloo, Waterloo, ON, CANADA

Ph.D. Thesis: Context-Sensitive Staged Static Taint Analysis for C using LLVM

October 2009 – March 2015 (resigned with a GPA=88%)

### Diplom-Informatiker (Dipl.-Inf. [equivalent to a "Master's degree in Computer Engineering"])

AGBS, University of Bremen, Bremen, Bremen, GERMANY

Master's degree Thesis: Statistical test case generation for reactive systems

October 01, 2002 – May 25, 2007 (graduated with grade A)

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## SOFTWARE CREATIONS

### SYSTÈME-LOGICIEL ERP 'YEROTH-ERP-3.0-STANDALONE'

October 2015 – Currently | Free open source code: <http://github.com/xnoubissinoundou/yeroth-erp-3.0>

### CONTEXT-SENSITIVE STAGED STATIC TAINT ANALYSIS FOR C USING LLVM ('YEROTH-SAINT')

October 2009 – October 2015 | Free open source code: <http://github.com/xnoubissinoundou/yeroth.rd.saint>

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## PROFESSIONAL EXPERIENCE IN SOFTWARE ENGINEERING

### YEROTH R&D, Douala, LITTORAL, CAMEROON

Software Engineering FULL PROFESSOR, CEO

October 2015 – Currently

### WatForm Lab, University of Waterloo, Waterloo, ON, CANADA

TEACHING ASSISTANT (Software quality assurance, and testing)

October 2009 – March 2015

### IBM Toronto Software Lab, Markham, ON, CANADA

C++ SOFTWARE DEVELOPER (JAVA-J9 Just-In-Time compilation optimization)

January 2012 – August 2012

### SIEMENS Medical Solutions, Erlangen, Bayern, GERMANY

C++ JUNIOR SOFTWARE DEVELOPER (RADIOTHERAPY DMIP communication protocol for 'LINAC-Siemens')

November 2007 – July 2009

### Greenpeace e.V, Hamburg, Hamburg, GERMANY

MANUAL SOFTWARE TESTER (SOFTWARE 'MOVE' for managing Greenpeace e.V, delivered by GERMAN COMPANY 'sd&m')

March 2007 – April 2007

### Bergmann Automaten GmbH, Rellingen, Hamburg, GERMANY

SOFTWARE DEVELOPER C++, J2EE (communication protocols implementation (e.g.: 'SIPv2'),

'JAVA-servlets' XML-servers for BERGMANN SYSTEMS VENDING MACHINES)

April 2005 – April 2007

### AGBS-University of Bremen, Bremen, Bremen, GERMANY

C++ SOFTWARE SYSTEM DEVELOPER (plugin to generate C++ code for 'UML-statecharts', 'Borland-Together')

September 2006 – February 2007

### ZMML-University of Bremen, Bremen, Bremen, GERMANY

WEB DEVELOPER HTML, CSS (web site development, and self evaluation test creation for students)

February 2003 – March 2005

### We4IT GmbH, Bremen, Bremen, GERMANY

INTERN-SOFTWARE DEVELOPER MySQL, J2EE (J2EE web application for medical personal training management)

June 2005 – July 2005

### bremen4u GmbH, Bremen, Bremen, GERMANY

INTERN-WEB DEVELOPER, SYSTEM ADMINISTRATION MySQL, RedHat-LINUX, PHP, HTML, CSS

March 2004