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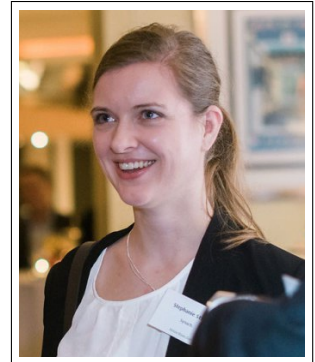
# CURRICULUM VITÆ

STEPHANIE STROKA

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## Contact & Personal Data

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Citizenship	German



## Short Summary

I have spent my last years gathering knowledge and experience in different fields of Computer Science: Semantic Web, Computational Systems as well as Security and Software Engineering.

My first work experience was in research and development of Semantic Web technologies with a focus on how to enable a security, identity and permission system.

While finishing my studies at university, I got interested in Computational Engineering. I analyzed the runtime behavior of computational systems with regards of execution time and memory consumption. For my master's thesis, I developed and analyzed a memory allocator for C, which, given a notion of time, automatically deallocates short-living objects on the heap.

Between 2012 and the end of 2015, I was the lead developer of the authentication middleware nevisAuth at AdNovum. We developed solutions for identity federation, API authorization, two-factor- and context-based-authentication.

I became curious about entrepreneurship in 2014 and finally joined Synacts in 2016 as a co-founder. At Synacts we built and promoted the Digital ID protocol (<https://www.digitalid.net>), which is an alternative to the current web protocol HTTP. Digital ID consists of an identity layer, which enables cross-platform authentication and authorization, and a look-up layer, which enables automatic cross-platform synchronization of personal data and files.

**Education****University Salzburg**

Period	September 2009 - 2012
Faculty/Branch	Computer Sciences/Applied Informatics
Degree	Dipl.-Ing. (equiv. M.Sc.)
Field of Research	Computational Systems
Master Thesis	Short-term Regions - A Region-based Short-term Memory Allocator

**University of Applied Sciences Salzburg**

Period	September 2005 - June 2009
Branch	Information Technology & Systems Management
Degree	Dipl.-Ing. (FH)
Diploma Thesis	Transaction Management & Historiography in Social Semantic Web Applications
Final Examination	Passed with distinction

**International Experience****Denmark**

Period	August 2009
Activity	Worked at University of Aalborg (Funded Exchange Program)

**Sweden**

Period	September 2006 - March 2007
Activity	Studied abroad at the University of Halmstad

## Work Experience

### Synacts GmbH

Period	January 2016 - present
Position	Software Engineer & Chief Product Officer
Description	At Synacts we built products on top of the the Digital ID protocol, which allows users to prove their identity towards services using cryptographic signatures and look up attributes of others in a decentralized manner. As one of two engineers, I am contributing to the development of the Digital ID library. Furthermore, I was responsible for developing our products - the Digital ID Wallet, Transaction Gateway, Validation Provider, our decentralized file-sharing system and our mobile address book.

### Liure Media UG

Period	August 2014 - November 2015
Position	Co-founder & Technical Lead
Description	Liure Media UG was the startup behind UNTOLD, the web-publisher of interactive, digital stories and reportages, selected and funded by readers. As a co-founder and technical lead I was responsible for product development, which involved building a scalable, flexible backend for content creation and content management which has two main attributes: Fast creation and deployment of interactive content and fast delivery of multi-media-heavy stories.

### AdNovum Informatik

Period	March 2012 - December 2015
Position	Software Engineer & Lead Developer
Field of Engineering	Web Application Security & Authentication Systems
Description	I lead the development of nevisAuth - an authentication middleware, which is part of the access control and identity management solution of AdNovum. As a lead developer I was responsible for the future development of the product in terms of features and quality. Some features of nevisAuth are identity federation, security token issuing and API authorization.

### Salzburg Research

Period	July 2008 - December 2011
Position	Software Developer & Junior Researcher
Field of Research	Knowledge & Media Technology
Projects	Knowledge in a Wiki (KiWi) - A framework for social semantic media applications. iMedication - An intelligent warning system for adverse drug events.

## Skills & Interests

### Languages

Natural                      German (native), English (fluent)

### Development

Languages                      Profound knowledge in Java.  
Good knowledge in JavaScript and TypeScript  
Familiar with C++, C, Python, Bash, but not using it on a daily basis.  
Recently started learning Go.

Frameworks                      Play 2.x, JEE, Angular JS 1.x and 2.x, Android, ionic framework

Principles                      I care about clean software architecture and apply software contracts to prevent coding errors.

### Technologies

Protocols                      Open ID Connect, OAuth 2.0, SAML 2.0, WS-Federation, WS-Trust, WebID, FIDO UAF, Digital ID

Operating Systems              Gentoo Linux, Fedora Linux

### Personal Interest

Identity and Access Management, Software Security and Privacy.  
Compiler Construction and Memory Management.  
Semantic Web, Knowledge Representation and Machine Learning.  
Entrepreneurship.  
Effective Altruism: Using reason and evidence to determine the most effective ways to improve the world.

### Awards

March 2016                      Participated in the *Google Code Jam 2016 for Women* coding contest and won a ticket and travel stipend to the Google I/O 2016.

April 2013                      2nd prize at the HackEd 2.0 Hackathon organised by Facebook and Bill & Melinda Gates Foundation.

April 2011                      Google Anita Borg Memorial (EMEA) scholarship finalist.

June 2009                      Best graduate of Information Technology & Systems Management, University of Applied Sciences Salzburg,  
Nominated for best graduate of University of Applied Sciences Salzburg.

June 2009                      Best Demo Award at ESWC 2009 (<http://www.kiwi-project.eu>).