Andrin **Bertschi**

Software Engineer

 abertschi⌷

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 Zurich, CH

Education

ETH Zurich	**Zurich, ZH**
M.Sc. Computer Science, Secure and Reliable Systems (ongoing)	*2020 - now*

ETH Zurich	**Zurich, ZH**
B.Sc. Computer Science	*2016 - 2020*

Thesis: A PHP Implementation built on GraalVM⌷, Demo⌷
Supervision: Dr. Manuel Rigger, Prof. Dr. Zhendong Su

Lehre Informatiker Applikationsentwicklung EFZ[1]	**Winterthur, ZH**
Berufsfachschule Winterthur	*2010 - 2014*

Work Experience

Student Research Assistant, ETH Zurich	**Zurich, CH**
Chair of Structural Engineering, Concrete Structures and Bridge Design	*03/22 - today*

Supervision: Dr. Marius Weber
Working as a software engineer on a Rhinoceros 3D plugin (computer aided design) in the field of finite element analysis, C#, .NET, Eto.forms, Rhinoceros 3D, Vagrant, source⌷

Student Teaching Assistant, ETH Zurich	**Zurich, CH**
System Security Group	*09/2021 - 01/2022*

Lecture: System Security (Master), given by Prof. Srdjan Capkun,
Involvement includes grading of exercises and mentoring of students

Web Developer, Freelancing, Wattelse AG	**Remote**
Implementation of a browser based tool to annotate and filter sensor data,	*2021*

Web technologies, Vue.js, Vuex

Java Engineer, AXA	**Winterthur, CH**
Java EE Enterprise development for in-house AXA insurance applications	*08/2015 - 07/2016*

Java, Java EE6, JSF, EJB, JBoss EAP, JBoss Arquillian, AspectJ, Git, Linux

Junior Java Engineer, AXA	**Winterthur, CH**
Competence Center Java, Java EE and web development in scrum projects	*10/2014 - 07/2015*

Java, Java EE, JavaScript, HTML5, Git, Linux

Software Engineering Apprentice, AXA Winterthur	**Winterthur, CH**
IBM mainframe application developer on z/OS TSO/ISPF (2010-2012)	*08/2010 - 07/2014*

Java EE Fullstack with JSF, EJB (2012-2014)
PL/1, JCL, DB2, Java, Java EE

Open Source

ad-free : *Audio ad blocker for Android*
12k up-votes on Reddit, ca. 200 monthly new installs *Kotlin, Java, Android*

graalphp: *Efficient, experimental language implementation for PHP* *GraalVM, Java, PHP*

postcard-love: *Reverse engineered Swiss Post APIs to send free postcards* *python, flask, vue.js*

sailfish-wlan-keyboard: *Computer keyboard for SailfishOS devices* *C++, Qt/QML5, React.js*

Technical Skills

Languages: Java, C, Python, Kotlin, Node.js, HTML/CSS, PL/1

Technologies: Linux, Make, Git, Java EE, Emacs, Android, Maven, DB2, Vue.js, Flask

Miscellaneous

Skills: Self-Reliance, Eager to Learn, Analytical Thinking, Team-Player

Areas of Interest: Systems and Software Engineering, OS, System Security, Compilers, Android

Languages: German (native), English (C1-C2), French (A1)

Hobbies: Powerlifting, Pair dancing

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[1]Diploma Swiss Federal Vocational Education and Training in Software Development