








Andrin Bertschi

Software Engineer

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Education

ETH Zurich

M.Sc. Computer Science, Secure and Reliable Systems (ongoing)

Zurich, ZH

2020 - now

ETH Zurich

B.Sc. Computer Science

Thesis: A PHP Implementation built on GraalVM[↗], Demo[↗]

Supervision: Dr. Manuel Rigger, Prof. Dr. Zhendong Su

Zurich, ZH

2016 - 2020

Lehre Informatiker Applikationsentwicklung EFZ¹

Berufsfachschule Winterthur

Winterthur, ZH

2010 - 2014

Work Experience

Student Research Assistant, ETH Zurich

Chair of Structural Engineering, Concrete Structures and Bridge Design

Supervision: Dr. Marius Weber

Working mainly as a software engineer for a Rhinoceros 3D plugin (computer aided design) in the field of finite element analysis, C#, .NET, Eto.forms, Rhinoceros 3D, Vagrant, source[↗]

Zurich, CH

03/22 - today

Student Teaching Assistant, ETH Zurich

System Security Group

Lecture: System Security (Master), given by Prof. Srdjan Capkun,

Involvement includes grading of exercises and mentoring of students

Zurich, CH

09/2021 - 01/2022

Web Developer, Freelancing, Wattelse AG

Implementation of a browser based tool to annotate and filter sensor data,
Web technologies, Vue.js, Vuex

Remote

2021

Java Engineer, AXA

Java EE Enterprise development for in-house AXA insurance applications
Java, Java EE6, JSF, EJB, JBoss EAP, JBoss Arquillian, AspectJ, Git, Linux

Winterthur, CH

08/2015 - 07/2016

Junior Java Engineer, AXA

Competence Center Java, Java EE and web development in scrum projects
Java, Java EE, JavaScript, HTML5, Git, Linux

Winterthur, CH

10/2014 - 07/2015

Software Engineering Apprentice, AXA Winterthur

IBM mainframe application developer on z/OS TSO/ISPF (2010-2012)

Java EE Fullstack with JSF, EJB (2012-2014)

PL/1, JCL, DB2, Java, Java EE

Winterthur, CH

08/2010 - 07/2014

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

¹Diploma Swiss Federal Vocational Education and Training in Software Development