

# Benjamin MEZGER

## PERSONAL DATA

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NATIONALITY: German & Dutch | 23 March 1994  
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GITHUB: <https://github.com/benmezger>

## WORK EXPERIENCE

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| Dec 2015<br>CURRENT  | Backend Python Dev & DevOps at UNITED ACADEMICS, Amsterdam<br><i>Open Access Library</i><br>Provide a fully functional architecture, with a full continuous integration with the system. We use DJANGO as a Web Framework, MONGODB as our database and DOCKER for containerizing our software.  |
| May 2017<br>APR 2018 | Developer & Researcher at NATIONAL EDUCATION AND RESEARCH NETWORK (RNP), Florianópolis<br><i>Intern at GT-AMPTo (Multi-Factor Authentication for Everyone)</i><br>Developing a solution for multi-factor authentication that can be used on the CAFE federation besides allowing the transposition of such authentication through the physical Internet.                          |
| Apr 2017<br>JUN 2017 | DevOps at NATIONAL EDUCATION AND RESEARCH NETWORK (RNP), Florianópolis<br><i>Volunteering Work for GidLab (Support for researchers on Identify Provider)</i><br>Researchers need virtual machines to do their research and my job is to provide an fully automated environment where a researcher can create a configurable environment that runs an SHIBBOLETH IDP, SP and LDAP. |
| Apr 2016<br>JUL 2017 | Web Crawling Researcher & Python developer at 4VISION LAB, Florianópolis<br><i>Personal Data Web Crawler</i><br>Research different ways on how crawl user data through the Web by using face & pattern recognition.   |
| Dec 2015<br>JUN 2016 | Researcher & ANGULARJS Developer at 4VISION LAB, Florianópolis<br><i>Smart Industrial Environment</i><br>Providing a Smart Industrial Environment with the Web of Things and Cloud Computing. We worked with a BEAGLEBONE black which runs a Smart Gateway written in C++ and JAVA, the control panel interface was written in ANGULARJS  |
| Aug 2015<br>JAN 2016 | Researcher & C/C++ Developer at 4VISION LAB, Florianópolis<br><i>3D Cloth Flattening</i><br>Researching different cloth flattening algorithms using OPENGL and C++  |
| Aug 2014<br>MAY 2015 | Backend Python & C developer at BYNE, Florianópolis<br><i>WaspBee &amp; Twisted developer</i><br>Developing communication, monitoring and control Software for critical systems. We used TWISTED and ZEROMQ   |

Jun 2012	Backend Python & Perl developer at IMGZINE, Amsterdam
NOV 2013	<i>Web Crawler developer</i> Writing smart Web crawlers and HTML parsers for gathering relevant news. The software estimates the time of change of a specific news page, so each time a website has a new article we are able to parse it and analyze relevant data.
Sept 2010	Backend Ruby on Rails developer at YURU.NL, Amsterdam
MAR 2011	<i>Base system</i> A short period job where I helped my professor writing the backend of Yuru.nl

## EDUCATION

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CURRENT	Bachelor of Science in COMPUTER SCIENCE, <b>University of Vale do Itajaí</b> , Florianópolis
JUL 2013	Technical degree in INFORMATICS, <b>ROC van Amsterdam</b> , Amsterdam
JUL 2013	Volunteering student in COMPUTER SCIENCE, <b>Vrije Universiteit van Amsterdam (VU)</b> , Amsterdam
JUL 2011	Middelbare School – HAVO/VWO, <b>Nova College</b> , Amsterdam

## PUBLICATIONS AND PRESENTATIONS

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OCT 2017 JOURNAL	Providing a cloud-based smart meter solution to control and monitor electrical quantities of industrial machines, 2017, <i>International Conference on Wireless and Mobile Computing, Networking and Communications (WiMob)</i> .
MAR 2017 PRESENTATION	A beginner's introduction to GIT and GITHUB, for the Mozilla's Campus Club at the University of Vale do Itajaí.
JUN 2016 JOURNAL	Providing a Smart Industrial Environment with the Web of Things and Cloud Computing, 2016, <i>IEEE International Conference on Services Computing (SCC)</i> .
JUN 2016 PRESENTATION	A quick introduction to ERLANG (v18.3), at the University of Vale do Itajaí.
AUG 2015 PRESENTATION	An introduction to the CYPHERPUNK world and low level code debugging, at the University of Vale do Itajaí.

## LANGUAGES

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ENGLISH:	Fluent
DUTCH:	Fluent
GERMAN:	Advanced
PORTUGUESE:	Advanced
SPANISH	Basic

## SKILLS

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<b>Programming Languages:</b>	C/C++, PYTHON, RUBY, ASSEMBLY, JAVA, BASH/ZSH, ANGULARJS, JAVASCRIPT, ERLANG and $\LaTeX$
<b>Databases:</b>	MONGODB, MYSQL, POSTGRESQL and SQLITE
<b>Operating Systems:</b>	LINUX (ARCHLINUX, DEBIAN, GENTOO), UNIX, MS Windows XP, Vista, 7, 10 and OSX
<b>Applications:</b>	HOPPERAPP, RADARE2, STRACE, SYSDBG, GDB, OPENOFFICE and MS Office
<b>Miscellaneous:</b>	VIM, EMACS, DOCKER, VAGRANT and ANSIBLE, HTML and CSS

## INTERESTS AND ACTIVITIES

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<b>Musical:</b>	Playing Guitar
<b>Computer:</b>	Interest in online privacy and surveillance, Kernel attacks, secure systems and cryptography
<b>Other:</b>	Politics, reading, culture, traveling and photography