

Johannes Bergs

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Personal Data

Date of Birth 12/25/1981
Nationality German

Enterprise

March 2016 **Founding of the company „Silikoid“**, Vienna.
Internet of Things: Products and education

Work Experience

- 2014 - 2015 **Software developer**, *DEMAW, Medical University Vienna, Vienna.*
Development of software for exam management
- 2010-2013 **Freelancer Webdesign**, Gross Pankow.
Focussed on Content Management Systems
- 2009 **Research Associate**, *Department of Pharmaceutics, Heinrich-Heine-University, Düsseldorf.*
Tutor for a course in Organic Chemistry
- 2007 **Student Assistant**, *Faculty of Computer Sciences ; Goethe-University, Frankfurt am Main.*
Tutor for Programming in Python
- 2006 **Student Assistant**, *Faculty of Computer Sciences ; Goethe-University, Frankfurt am Main.*
Tutor for Theoretical Computer Science I: Automata Theory
- 2005 **Student Assistant**, *Faculty of Computer Sciences ; Goethe-Universität, Frankfurt am Main.*
Tutor for Programming in Python

Education

- 2003–2008 **Dipl. bioinf.**, *Faculty of Bioinformatics; Goethe-University, Frankfurt am Main, 'A'.*
Topic: Development of a fully-flexible Approach for RNA-Ligand-Docking
- 1991–2003 **A Levels**, *Wöhlerschule, Frankfurt am Main, 'B'.*

Products

April 2016 **Klangliege**, *Achim Othegraven, Vienna.*
Development of a therapeutic couch based on bass waves

Exhibitions

- 8.2017 **Summercamp**, *Künstlerstadt Kalbe, Deepdream and light organ, Kalbe an der Milde.*
- 9.2016 **Ars Electronica**, *Science Festival, Raspberry Pi: sensors and actuators, Linz.*

12.2015 **RoboExotica**, *Cocktailrobotics*, DeepDream photobooth, Vienna.

Courses

- 16.3.2016 **First steps with the Raspberry Pi**, *Teacher education*, BMB: EU-project „Ark of Inquiry“, Vienna.
24.5.2016 **Raspberry Pi Prototyping I**, *Teacher education*, BMB: EU-project „Ark of Inquiry“, Vienna.
31.5.2016 **Raspberry Pi Prototyping II**, *Teacher education*, BMB: EU-project „Ark of Inquiry“, Vienna.
21.10.2016 **MindBot: a mind-controlled Raspberry Pi robot**, *Public*, Vienna.
29.11.2016 **Raspberry Pi: sensors and actuators**, *Teacher education*, BMB: EU-project „Ark of Inquiry“, Vienna.
27.4.2017 **Raspberry Pi basics**, *Workshop for pupils*, BMB: EU-Projekt „Ark of Inquiry“, Klosterneuburg.
25.1.2018 **Tinkering with the Raspberry Pi**, *Presentation*, Volkshochschule, Salzwedel.

Programming Skills

Embedded Systems Raspberry Pi, Prototyping, Arduino, 3D printing, Electrical Engineering basics

Languages Python, Web languages(HTML, php, js, SQL), \LaTeX , Matlab

Skills Agile (Scrum), Software testing (Pytest with Coverage), Test-Driven-Development, Versioning (git), Redmine

Languages

German native

English good

Portugais colloquial

Social Activities

since 2015 **Knight of Pi.**

Blog with free recipes for the Raspberry Pi in german and english with a high level of accessibility

2014 **Goldenes Wiener Herz.**

Project for creating awareness for poverty

2013 **Semana Cultural.**

Two month of cultural exchange in Pintadas, Brasil

2002 **Ökosau.**

Website focused on sustainability

Publications

- [1] Krueger, M., Bergs, J., Kazemi, S., Gohlke, H. Target flexibility in RNA-Ligand Docking modeled by elastic potential grids, *ACS Medicinal Chemistry Letters*, 2011.
[2] Bergs, J. Google DeepDream on the Raspberry Pi, *MagPi issue 53*, 2016.