

Curriculum Vitae

Personal Details

Name Johannes Przybilla
Date of Birth March 20, 1991
Nationality German
Email johannes.przybilla@rwth-aachen.de

Education

- 2018 – 2019
October September **Computer Science M.Sc. – 2 Semester – RWTH Aachen University, Germany**
- [Media Computing Project](#): Manufacture of pneumatic soft robotic gripper
 - Modules included: Embedded Systems
 - Minor: Psychology
- 2014 – 2018
October October **Computer Science B.Sc. – B.Sc. – RWTH Aachen University, Germany**
- Thesis: "Automated Testing of Software Containing Externally Triggered Event Handlers"
 - Development of algorithm in C++ Symbolic Execution Engine ([KLEE](#))
 - Evaluation result of algorithm: [Official GNU bug report](#)
 - Modules included: Computer Graphics, High Performance Computing, Webtechnologies, Compilerconstruction
 - Minor: Biology
- 2011 – 2014
October January **Dental Technician – Apprenticeship – Bonn, Germany**
- Certificate of Chamber of Industry and Commerce: Dental Technician

Working Experience

- 2020 – today
May 株式会社**MOLCURE** – *Software Engineer – Tokyo, Japan*
- Development of novel robotics platform (R&D):
 - Lead Developer of desktop application utilizing Qt to create experiments and control robots
 - Conceptualization and implementation of Robotics Data Model, ROS communication layer, scripting language and interpreter
 - Created VR demonstration of robotic system using Unity and Oculus SDK
- 2019 – 2019
January December **iTec RWTH Aachen – Research Assistant – Aachen, Germany**
- Daimler AG coop: Manufacture of [MAKI robot](#) and GUI implementation
 - Implementation of [Experiment Builder](#) interface for [Cozmo](#)

2011 – 2014 **Przybilla Dental Labor** – *Dental Technician* – Bonn, Germany
October October

- o Implantology
- o CAD/CAM

Other Activities

2020 – 2020 **ISI Language School** – *Japanese Language Student* – Tokyo, Japan
February April

- o 8 weeks of learning Japanese at ISI Ikebukuro

2019 – 2019 **ISI Language School** – *Japanese Language Student* – Tokyo, Japan
October November

- o 5 weeks of learning Japanese at ISI Ikebukuro

2011 – 2012 **Green Juice Festival** – *Camera Operator* – Bonn, Germany
September September

- o Filming of music festival

Technical Skills

Languages:	C, C++, C#, Python, JavaScript, Go, GLSL
Tools:	Unity, Qt, OpenGL, WebGL, ROS
Hardware:	Arduino, ESP, Raspberry Pi, Arbotix-M Robocon-troller

Language Skills

German:	native speaker
English:	fluent
Japanese:	beginner

Hobbies & Interests

Photography:	flickr Portfolio
Music:	Guitar, FL Studio
Sport:	Table tennis
Programming:	Portfolio , GitHub

Tokyo, 6th Jan, 2022



Johannes Przybilla