Melanie Balaz

IT STUDENT

DATE OF BIRTH

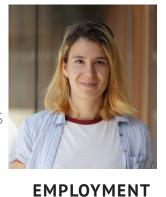
08/05/1996

NATIONALITY

AT

LANGUAGES

DE/EN



Salusgasse 43, 1220 Vienna



balaz.at



melanie.j.balaz@gmail.com



+4369911301716

EDUCATION

February 2017 - March 2017

Lemmings **Incubator**

Vienna, Austria

2 weeks summer 2016 International Baltic Summer School on Computer and Network Security

Tallinn, Estonia

2015 - current IT studies, University of Vienna Vienna, Austria

2013 - 2015

Multimedia and Management College, Die Graphische Vienna, Austria

2011 - 2012

Foreign exchange student for a semester in Palo Alto, California

2006 - 2013

AHS-Wiednergymnasium, Focus on Biology Vienna, Austria

August 2018 -current

February 2017 - June 2017

> March 2016 - June 2016

April 2014 - November 2015

August 2014

Backend Developer, Erste Bank IT

Vienna, Austria

Chat Service Engineering/ System Administration Intern, Fragnebenan Vienna, Austria

> First Level IT Support, Lomographische AG

Vienna, Austria

Minor Employment as a Webdesigner with IXOLIT GmbH

Vienna, Austria

Graphic Design&Multimedia Internship, SCI Austria

> Vienna, Austria, Tavastkenkä Finland

SKILLS AND TOOLS

Programming C++ Java Python JavaScript Unit Testing	Web Html CSS/SASS Bootstrap SQL	Network DHCP Server Setup Hostapd Setup Wireshark Kali Linux	Creative Graphic Design Photography Film Illustration	Other GIT Versioning Text composition Event organisation
Unit Testing Clean Code		Nmap Client/Server Programmin	g	

INTERESTS

- Biology/Genetics/Artificial Intelligence
- Machine Learning/Neural Networks
- Computer Networks
- Network Security / Encryption
- Clean Code
- Photography/Design/Film
- Event organisation

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OTHER EXPERIENCE

2018

2nd place at brain.io Hackathon with a team

2017

Founding, organising and executing of IntoTech Conference (Winner of Austrian Youth Price 2018) (https://into.technology/)

2016

First place at Univie E-Health Hackathon with a team

2016

Participant in a two day Ruby on Rails workshop organised by RailsGirls

2016

Organising a workshop for IT students at the University of Vienna to build computer components out of logic gates

2015

SCI Training for Trainers - Two week course on how to become a trainer, faciliate workshops, public speaking, plan activities,..

2015

Project management and building of a website with interactive functionality for the diploma project "Grundrecht Wohnen - aber wie(n)?"

2014

SCI Austria - Workcamp Coordination at the Poysdorf Workcamp together with the Naturschutzbund Niederösterreich

2013

River Jump! - Founding and organizing of a triliteral environmental youth project funded by Youth in Action

PERSONAL IT PROJECTS

Robot Remote Controller

- Building an Android App for Remote Controlling
- Writing a webserver in Python and running it on Raspberry Pi for handling incoming requests from the App and transforming them into motor control commands on the Raspberry Pi
- Turning the Raspberry Pi into an access point and setting up a password-protected Wifi network
- Configuring and running a DHCP Server on the Pi

Internet of Things Distributed System

- Conceptualising a distributed IoT system
- Implementing a Server (Tomcat-Servlet) and Client in Java
- Implementing a Publisher-Subscriber Model and message passing via GET and POST requests

"Space Jelly" - Game

- Built with a team at the Univie E-Health Hackathon in 24 hours, won first place
- Webview Application Game with html/css/javascript
- Works with different data inputs such as GPS location

MOPL - My own programming language

 Implemented a very basic functional programming language with ANTLR