

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

EMPLOYMENT

August 2018
-current

Backend Developer,
Erste Bank IT
Vienna, Austria

February 2017
- June 2017

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

March 2016
- June 2016

First Level IT Support,
Lomographische AG
Vienna, Austria

April 2014
- November 2015

Minor Employment as a Webde-
signer with IXOLIT GmbH
Vienna, Austria

August 2014

Graphic Design&Multimedia
Internship, SCI Austria
Vienna, Austria,
Tavastkenkä Finland

SKILLS AND TOOLS

Programming

C++
Java
Python
JavaScript
Unit Testing
Clean Code

Web

Html
CSS/SASS
Bootstrap
SQL

Network

DHCP Server Setup
Hostapd Setup
Wireshark
Kali Linux
Nmap
Client/Server Programming

Creative

Graphic Design
Photography
Film
Illustration

Other

GIT Versioning
Text composition
Event organisation

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 Prize 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, facilitate 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 trilateral 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