Cristian Gîlcă
Curriculum Vitae

May 21, 2021

PERSONAL PROFILE

Date of birth	18. July 1994 in Craiova (Romania)
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EDUCATION

Computer Science (Bachelor of Science)   2016-2021
Technische Universität Ilmenau, Germany

- Bachelor thesis: Analysis of IT-Security objectives with functional security methodologies using an example of a smart meter system (in German)
- Specialization Mathematics: Numerics, Optimisation, Information Coding, Discrete Mathematics
- Focus subject IT-Security: Systems Security, Network Security, SELinux, Cryptography, Advanced Operating Systems
- Softwareproject: Visualization of a Multilayer Network
    - Approach with Unified Process Modell
    - Versioning with Apache Subversion
    - Programming with typescript, javascript, HTML und CSS
    - Documentation with Latex and TypeDoc
    - UnitTests with Mocha and Chai
    - Software modelling with Visual Paradigm
    - Time recording with Kimai
- Project seminar on business application systems (PROBAS): ABAP from SAP

High-School   2009-2013
"Elena Cuza" National Collegium, Craiova, Romania

- Mathematics and Computer Science with focus Computer Science
- Cambridge Advanced English Diploma
- Baccalaureate Diploma

WORK EXPERIENCE

Stand-in worker   June 2019 - June 2020
Micro-Hybrid Electronic GmbH (Ilmenau), Minijob

- Programming an application for printing sieves management with Python
    - tkinter as main Python module
    - Data transmission over JSON
    - Unit tests
    - Creation of user manual, functional specification and design document in LaTeX

- Electrical measurements and mechanical measurements
- Execution of the automatic inspection systems (AOI)
- Operation of the stacking machine and KEKO sieve printer

Web Developer
February - May 2017

EasternGraphics GmbH (Ilmenau), Part-Time

- Web application programming with TypeSript, React und SASS
- IDE programming environment: Microsoft Visual Studio Code
- Versioning with Git
- JavaScript Tasks with Grunt
- Runtime Environment: Node.js

Receptionist
March 2014 – February 2015

at "Hilton Hotels & Resorts" (Cardiff, Wales), Fulltime

- Management of the hotel guest database on the computer
- Doing the daily audit

VOLUNTEERING

Network Administrator
April 2016 - May 2021

Forschungsgemeinschaft elektronische Medien e.V. (Ilmenau, Germany)

- Management of the member database
- Solving of technical problems and giving technical advice

SKILLS

Languages	Romanian (Native)
	German (nearly native C2)
	English (advanced C1)
	Japanese (beginner A2)
Programming languages:	Java, Python, C++, Erlang, Prolog,
	JavaScript, TypeScript, Lambda Calculus,
	SASS, XML, React, CSS, HTML, PHP
Technical knowledge:	Windows, Linux, MacOS, Bash, PowerShell, CMD
	VMware Workstation, Windows Subsystem Linux, Docker
	Visual Studio, Eclipse, CLion, PyCharm, Anaconda, IntelliJ IDEA
	Oktave, Matlab, Visual Diagram, LaTeX, Adobe Photoshop
	MS Office: Word, Access, Excel, Powerpoint
	Git, SVN, FL Studio, Sony Vegas Pro, Sublime Text
	Slack, Zulip, Kimai, Toggl, Evernote, Trello, XMind
	Scrum, Unified Process

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Category A und B

CREDENTIALS

Available upon request