Miroslav Vitkov
Curriculum Vitae

TECHNICAL SKILLS

GOOD LEVEL
* C++11, STL, OprnCV,
* C11, UNIX,
* git, GNU make, CMake

INTERMEDIATE
* python2, matplotlib, numpy, pyQt
* USB bus, OpenOCD,
* POSIX
* avr-asm, digital hardware design,
* LaTeX, Doxygen, UMLet
* Inventor, SolidWorks

BASIC LEVEL
* FANUC G-Code,
* MySQL

✎ Sofia, Druzhba-2, bl. 202, app. 40

☎ 0895 735 164

✉ sir.vorac@gmail.com

EDUCATION

2007 – 2011 **Industrial Engineering (in English)**
BACHELOR DEGREE
MULTITASKING AUTOTUNING PID CONTROLLER IN HEAT TRANSFER APPLICATION
Technical University of Sofia

2003 – 2007 **Communications technician**
HIGH SCHOOL DIPLOMA
Technical School of Communications, Sofia

COMMUNICATION SKILLS

BULGARIAN   Native speaker

ENGLISH   Fluent (CPE Cambridge)

GERMAN   Basic

PUBLIC PROJECTS

C++   **identity**
Identify persons. Uses OpenCV.

C   **megaboot**
Simple atmega168 bootloader.

C   **cgetset**
Generate getter/setter methods. Self-contained.

PYTHON   **rtplot**
Realtime temperature plotting utility.

LaTeX   **rpg**
Role-playing game.

INVENTOR   **gearbox**
Gearbox design and technical drawings.

WORK EXPERIENCE

04 JAN 2016 - PRESENT

Euro Games Technology
C++ Linux developer

POSIX, multrithreading, C++11.

20 MAY 2013 - 21 MAR 2015

Antelope Audio
C++ embedded developer

Implementation of a complex audio processing
algorithm in C++ for ARM. Audio signal pro-
cessing design (z-transform, filters, impulse
response, amplitude and phase diagrams). GUI
design with Python and Qt. OpenOCD and
hardware considerations.

12 FEB 2013 - 13 MAY 2013

Johnson Controls
C embedded developer

Embedded C, concurency, unit tests and doc-
umentation.

22 AUG 2011 - 15 JAN 2013

MM Solutions Ltd
C++ embedded developer

C++ with Boost, OpenCV etc. libraries for ARM.
GNU/Linux and git. Digital video processing
in 3D environment (quaternions, field of view,
image recognition, gyroscopes).