

## PERSONAL DETAILS

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Date of birth: 1984/05/18

## EDUCATION

now ↑  
2011. **Faculty of Electrical Engineering and Computing, University of Zagreb**  
*Ph.D. student*  
area of research: image processing

2010 ↑  
2003 **Faculty of Electrical Engineering and Computing, University of Zagreb**  
*M.Sc. in Information and Communication Technology*  
profile: Information Processing

2003 ↑  
1999 **Technical school Daruvar**

## EMPLOYMENT HISTORY

now ↑  
2015/12 **HYPERGLITCH Ltd**  
*Founder*  
custom electronic design, full stack web development, R&D

now ↑  
2015/11 **Toptal** (<http://www.toptal.com>)  
*software engineer*  
full stack web development

2015/07 ↑  
2014/03 **Faculty of Electrical Engineering and Computing** (<http://www.fer.hr>)  
*embedded electronics engineer (proof-of-concept electric bicycle)*  
brushless motor control, embedded engineering (STM32F4), electrical design, 3D modeling

2014/03 ↑  
2012/02 **Faculty of Electrical Engineering and Computing** (<http://www.fer.hr>)  
*web programmer*  
PHP, PostgreSQL, HTML, CSS, Javascript, jQuery, QuiltCMS (in-house product)

2012/01 ↑  
2010/11 **Faculty of Electrical Engineering and Computing** (<http://www.fer.hr>)  
*research associate (self-balancing personal vehicle on one wheel)*  
embedded programming (Stellaris platform), brushless motor control, electrical and mechanical design

2010/04 ↑  
2009/12 **Education and Teacher Training Agency** (<http://www.azoo.hr>)  
*part time lecturer*  
web design (HTML, CSS, JS), web programming (PHP, MySQL)

- 2009/11 **HrOpen** (<http://www.open.hr>)  
↑  
2007/06 *part time lecturer*  
web design (HTML, CSS, JS), web programming (PHP, MySQL),  
Introduction to Linux (Ubuntu basics), image processing in GIMP, using  
open tools for professional and creative work

## RECENT PROJECTS

- 2015, June **Mobile app and hardware interface for custom electric bicycle**  
SailfishOS application and additional electronic components (ESP8266 based)  
for wireless (Wifi) status display and control of custom built electric bicycle
- 2015, June **udruga906090.org theme implementation**  
Wordpress theme, custom archive module, multi language support  
<http://udruga906090.org>
- 2015, March **Juhu-hu (children's TV show)**  
Electronic device: remote controlled (RF 2.4Ghz) robotic character
- 2015, February **I've never done this before (theater show)**  
Technical assistance, programming, wireless control (Zigbee network)  
<http://www.premierstratageme.net/ive-never-done-this-before/?lang=en>
- 2014, December **Synthomir (co-creator, 8-bit synthesizer kit for Radiona.org makerspace)**  
Electronic design and programming  
<http://radiona.org/synthomir>
- 2014, July **On the barricades (video installation by Sanja Iveković)**  
Ten channel synchronized video playback using Raspberry Pi  
<http://udruga906090.org/exhibition/4912/>
- 2014, March-September **Laboratory at the end of the universe (children's TV show)**  
Electronic device (eyes for the puppet character), technical consulting
- 2013, September **Ja, buka (theater show)**  
Wooden mechanical robot hands  
[https://www.youtube.com/watch?v=Vps\\_WcQveyw](https://www.youtube.com/watch?v=Vps_WcQveyw)

## EXHIBITIONS

- AND FAIR: Abandon Normal Devices, Fillodramatica Theatre, Rijeka, February, 2016
- Core Membranes at Pogon Jedinstvo, October, 2015
- Electro\_Baroque at Varaždin City Museum, 2015
- Gaming Playground at Technical Museum, Zagreb, 2015
- Wonderlab, Museum of Contemporary Art, Novi Sad, Serbia, 2015
- Sound Hybrids - Creative Sonology, Technical Museum, Zagreb, 2014
- Hot Solder, Gallery Kazamat - Croatian Association for Applied Arts, Osijek, 2014
- Electronic Constellations in Gallery Sincich, Višnjan, 2014
- Weird Science - Powered by Radiona, Gallery DM, Rijeka, 2014
- Mini MakerFaire Trieste, Trieste, Italy, 2014
- Exhibition for Arduino Day @ Croatian Association of Technical Culture, Zagreb, 2014
- Make.me / Hack.me - new electric diversions, Gallery SC, Zagreb, 2013
- SoundART / BioART, Technical Museum, Zagreb, 2012.

## WORKSHOPS & PRESENTATIONS

- Synthomir workshop @ Acces To Tools Festival, Ljubljana, 2016.
- Synthomir workshop @ Device\_art 2015. festival, Zagreb
- Synthomir presentation at Music Tech Fest / EarZoom Sonic Arts Festival, Ljubljana, 2015
- Remembering objects - DIY 3D scanning workshop (w/ Damir Prizmić, Goran Mahovlić) @ Dan-D festival, Zagreb, 2015
- Creative mapping of sensors workshop (w/ Ivan Marušić), Zagreb, 2014
- Interactive installations using Arduino platform workshop, Zagreb, 2013
- Arduino programming workshop, Zagreb, 2012
- Basics of Electronics workshop, Zagreb, 2012
- ArtDuino workshop (w/ Ivan Marušić), Zagreb, 2011

## PROFESSIONAL QUALIFICATIONS

- web programming / web design
- C and C++ programming
- embedded programming (STM32F4 and Arduino platforms)
- experience in real time audio/image/video processing
- scripting languages: Python, PHP, Ruby, Bash
- Matlab/Octave experience
- advanced Linux usage

## ACTIVITIES AND INTERESTS

- hacking electronic devices, building MIDI controllers, taking everything apart
- playing guitar, bass and keyboard, music recording, production and synthesis
- member of Radiona makerspace