

Egon Geerardyn

Electronics Engineer with a passion for IT

Zomerstraat 26 GV 00

1050 Brussels (Belgium)

+32 472 65 61 08

egon.geerardyn@gmail.com

born 15 April 1988 (Belgian)

 egeerardyn  egongeerardyn  Egon_Geerardyn  Egon

education

- 2011 – 2016 **PhD Electrical Engineering (dr.)** [Vrije Universiteit Brussel](#)
prospect
June 2016
In my research on user-friendly identification of linear systems, I gained expertise in **system identification** and **measurements**. During my two-month stay at the [Control System Technology](#) group at the [Technische Universiteit Eindhoven](#), I improved my proficiency in **robust control** and applied my research in the field. Promotors: [Johan Schoukens](#) and [Tom Oomen](#).
- 2006 – 2011 **BSc & MSc Engineering Science: Electronics and IT (ir.)** [Vrije Universiteit Brussel](#)
In my thesis “A Simulation Method for Pinpointing the Dominant Nonlinear Contributors in CMOS Circuits” I wrote a tool in **ANTLR**, **Java** and **MATLAB** that performs a labor-intensive Volterra analysis on electrical circuits. Promotors: [Piet Wambacq](#) and [Gerd Vandersteen](#). For this work I received the **IMEC award** for best master thesis at the VUB.
- 2011 – now I continually strive to perfect my abilities by taking courses such as **LabView Core 2** and **LabView FPGA**, hence I became a **Certified LabView Associate Developer** in 2014. I have successfully completed online courses such as [Convex Optimization](#), [Functional Programming with Scala](#), [Machine Learning](#) and [Databases](#) that were taught by experts from [Stanford](#) and [EPFL](#).

experience

- 2012 – now **Major contributor and maintainer (since 2015)** [github:matlab2tikz](#)
I maintain the open-source program `matlab2tikz` that converts **MATLAB/Octave** figures to **TikZ (L^AT_EX)** code. This program is one of the most-downloaded programs on FileExchange. I give guidance to half a dozen volunteers and keep track of the codebase using **git** and **Jenkins**. As a team, we respond to bug reports from users and provide viable work-arounds or bug fixes.
- 2009 – 2011 **Engineering summer jobs** [ELEC \(Vrije Universiteit Brussel\)](#)
For the statistics, system theory, and system identification courses, I produced course notes, lab instructions, and measurement set-ups using **LyX**, **LabView** and **NI Elvis II**.
- 2007 – 2009 **Web master and server admin** [Polytechnische Kring](#)
For my engineering fraternity, I updated the website to **Joomla** and helped to maintain the **Gentoo Linux** web server running **Apache**, **MySQL** and **PHP**.

languages

Dutch	Native	
English	Advanced	Daily use in an academic setting.
French	Intermediate	I have been living in Ixelles (Brussels) since 2013.

skills

For my everyday work, I rely on **Mac OS X**, **Linux**, **MATLAB**, **SimuLink**, **LabView**, **Sage**, **R**, **LaTeX** and, **git**. In previous projects, I have used **Python**, **ANTLR**, **Scala**, **Java**, **Delphi**, **assembly** and **VHDL** amongst others. As a teaching assistant, I taught **C** for **microcontroller** programming for electronics and control labs.