



Rafael Medina García

Curriculum Vitae

Education

- March 2011 **Certificate of Proficiency in English (CPE)**, *University of Cambridge.*
- April 2016 **International English Language Testing System (IELTS)**, *British Council.*
Band 8.0 (out of 9.0)
- 2011–2016 **Bachelor's Degree in Computer Science and Engineering**, *Universidad Carlos III de Madrid.*
- 2016–
currently **MSc Computer Forensics and Cyber Security**, *University of Greenwich.*

Work experience

- Summer 2015 **NIMBEO ESTRATEGIA E INNOVACIÓN S.L.**
Academic internship performing development tasks in the CoolReport project

Languages

- Spanish Native
- English Cambridge CPE, IELTS 8.0
- German Basic

Programming skills

- Bash Basic-Intermediate
- C Intermediate
- HTML5 + Intermediate
- CSS3 +
- Javascript
- Java Intermediate
- PHP Basic
- Python Intermediate-Advanced
- Ruby (on Intermediate
Rails)
- VB.NET Basic-Intermediate

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Computer skills

- Advanced knowledge of GNU/Linux and Microsoft Windows systems
- Advanced level of (Libre/MS) Office suite software usage
- Fluent use of command-line programs and environments
- Intermediate low level/hardware knowledge
- Basic notions of system administration
- Basic notions of database management
- Experience in software development projects employing version control systems

Projects

- **Migration system for Zoe microservices:** Bachelor Thesis, project that enables the migration of Zoe agents accross remote machines
- **akamatsu:** Content management system (CMS) made with Flask
- **flask-waffleconf:** Flask microframework extension that enables storage and update of configuration variables at runtime
- **fumi:** A language-agnostic simple deployment tool through SSH
- **infocards:** Python library used for managing information cards in an archive that uses a database as backend
- **vidmaster:** Automated video compositions for the GUL UC3M group talks
- **wat-bridge:** Proxy that enables sending and receiving messages from a WhatsApp account through a Telegram bot
- **Zoe agents:** Part of the Zoe Virtual Assistant project, series of agents that extend its functionalities (<https://rmedgar.com/projects/zoe-agents>)

Interests

Technology
and computer
science

Free/Libre software and technologies

Computer security

Development of software and technologies with application in daily life

Task automation

Groups Member of Grupo de Usuarios de Linux (Linux User Group) association from Universidad Carlos III de Madrid

Talks

- *Hackers UC3M: no sólo para programadores*, alongside Adrián Casado, Axel Blanco, Paula González, Álvaro García and Víctor Méndez, I Semana de Asociaciones, 5th of October 2014, Universidad Carlos III de Madrid
- *Can I haz ur pythons?*, alongside Javier Honduvilla, XXV GUL Technical Conferences, 12th of November 2014, Universidad Carlos III de Madrid

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- *Zoe en casa*, XXV GUL Technical Conferences, 14th of November 2014, Universidad Carlos III de Madrid
- *Zoe: la asistente virtual del GUL*, T3chFest 2015, 11th of February 2015, Universidad Carlos III de Madrid
- *Markdown & Pandoc: not another Word*, academic documents in Markdown, XXVI GUL Technical Conferences, 20th of April 2015, Universidad Carlos III de Madrid
- *Schrödinger's Flask: ¿vive la serpiente?*, web application development in Flask, XXVII GUL Technical Conferences, 23rd of November 2015, Universidad Carlos III de Madrid
- *¡Pues haré mis propios videojuegos! Con casinos y aventuras conversacionales*, videogame and text-based adventure development, alongside Adrián Borja, XXVII GUL Technical Conferences, 26th of November 2015, Universidad Carlos III de Madrid
- *They're taking the hobbits to Isengard!*, introduction to the Mithril Javascript framework, XXVIII GUL Technical Conferences, 15th of April 2016, Universidad Carlos III de Madrid

Contests

- 5th place in Scenery Beta 2010, organized by <http://www.secenebeta.com>
- 13th place in I T3chFest programming contest held in the Codility platform
- Score of 624 out of 1000 in II T3chFest programming contest held in the Codility platform
- 2nd place in II T3chFest Hackathon
- Score of 460 out of 600 in III T3chFest programming contest held in the Codility platform

Additional training

- *Advanced Cybersecurity for Mobile Platforms*, organized by INCIBE (Instituto Nacional de Ciberseguridad) between October and December 2016

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