

# Michał Jędrzej Stańczyk

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## Education

### Technical University of Gdansk

B.Sc. IN APPLIED MATHEMATICS (INDIVIDUAL EDUCATION PLAN)

- thesis "On mathematical methods in programming computational processes"

Gdansk, Poland

Oct. 2007 – Feb. 2013

### University of Gdansk

INFORMATICS AND ECONOMETRICS, INTERRUPTED

Gdansk, Poland

Oct. 2004 – Jun. 2007

### Online courses

- [www.coursera.org](https://www.coursera.org) – "Machine Learning" – score 97.25% (Jul. 2018 – Sep. 2018)
- [www.coursera.org](https://www.coursera.org) – "Functional Programming Principles in Scala" – score 100% (Nov. 2017)
- [ai-class.com](https://ai-class.com) – "Introduction to Artificial Intelligence" – score 91.8% (Oct. 2011 – Dec. 2011)

## Skills

<b>Programming experience</b>	Scheme, JavaScript, Python, PHP, Ruby, C, Bash, Java, Scala, Haskell, GNU R, SQL, LaTeX
<b>Programming occasionally</b>	Common Lisp, Clojure, Elixir, Prolog, OCaml, Octave/Matlab, C++, MOS6510 assembly, ...
<b>Now learning</b>	more Prolog, miniKanren
<b>Technologies used</b>	*nix, emacs, git, make, AWS, VirtualBox, Docker, ZFS (OpenSolaris/FreeBSD), Redis, Selenium
<b>Natural Languages</b>	Polish (native), English (FCE B2), Spanish (A1, learning A2)
<b>Other</b>	teamwork, remote, Scrum, Jira, applying mathematics, public speaking/performing

## Experience

### SentiOne

RESEARCH ENGINEER

- design and implementation of complied information extraction pattern-based language *MTT* (Scheme, js, Python)
- design and implementation of browser-based development platform for *MTT* (Python+Flask, js+ace.js+peg.js, bootstrap)
- inventing, prototyping, evaluating and documenting numerous NLP systems/modules (*MTT*, Python, Scala, Scheme)
- maintenance, extending and patching of existing/third-party NLP systems (Scala, Haskell, Python, PHP)
- converting various tools into RESTful APIs (Python+Flask, Docker, Redis)
- design and implementation of compiled, NLP-oriented graph manipulation language *Federico Orca* (Scheme, js, Python)
- design and implementation of browser-based platforms for text annotation, corpora statistics etc (Python+Flask, js/jquery, bootstrap)
- conducting researches on state-of-art NLP technologies
- co-authored paper *Pluwak et al.* "Assessing Situation in the Face of Crisis" ([doi.org/10.21203/RS.3.RS-2064383/V1](https://doi.org/10.21203/RS.3.RS-2064383/V1))

Poland, Spain (remote)

Dec. 2017 – PRESENT

### we're agile

SENIOR PROGRAMMER

- automated generation of PHP code (Ruby, SQL, PHP+Laravel)
- building fancy widgets (js)
- debugging and fixing of legacy/foreign code (Python, PHP)

Spain

Sep. 2017 – Nov. 2017

### jobfeed/Coosto

PYTHON PROGRAMMER

- maintenance and development of massive scraping infrastructure (Python, Bash, zombie.js, Selenium)
- development of web-based tools for scripters (PHS, js)

Spain/Netherlands

Sep. 2016 – Jul. 2017

### fido:labs

SENIOR PROGRAMMER/MATHEMATICIAN/SUNDAY ADMIN

- design, implementation, and development of LDQL, a query language for an English parser (Scheme)
- programming information extraction scripts (LDQL, Stanford's NER/POS tools, regexes)
- conducting small researches on state-of-art NLP technologies
- building RESTful APIs (PHP, SQL, AWS)
- breaking and fixing many things (from Linux/AWS administration to CSS)
- co-authored patent **US9152623B2**

Poland, Spain (remote)

Jun. 2013 – Apr. 2016

## Enovatis SA

JAVA/PHP SENIOR PROGRAMMER

- maintenance of legacy Java system (multi-source massive data retrieval)
- automated testing of web services (PHP+Selenium)
- implementing new features in company's CRM (PHP, SQL)

Poland

Jan. 2011 – May 2013

## Freelance Jobs

PHP/JAVASCRIPT PROGRAMMER

- prestashop-based stores (roen.pl, zemastyle.pl)
- custom-made CRM systems (Rafal Brzoskowski Catering, Solace z o.o.)
- “bug-fixing emergency” for you-ebook.com

Poland

Mar. 2010 – Nov 2011

## Solphy Polska z o.o.

RUBY/C JUNIOR PROGRAMMER

- porting Linux tools to OpenSolaris (c, make)
- implementing web interfaces for Network Array Storage system (Ruby+Webrick)
- helping with NAS service/maintenance

Poland

Jul. 2008 – May 2009

# Extracurricular Activity

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## Livestreamings

GUEST

Jan. 2022 – May. 2022

- **filozofiaprogramowania.escola.pl**, a podcast on the history and philosophy of computer programming (in Polish)
- *Escola Codewars*, bi-weekly live codewars challenges streamed as part of Escola Devtalks (in Polish)

## Programming challenge sites

MEMBER

Dec. 2015 – PRESENT

- **www.codewars.com** – 2Kyu, 4189 Honor
- **projecteuler.net** – level 2, 69/611

## Gamejams

PARTICIPANT

- Jan. 2022 **itch.io WASM-4 Game Jam**, game rated 4th of 44 (C,WASM-4)
- Apr. 2016 **ludumdare.com mini Ludum Dare 67** (js)
- Apr. 2016 **ludumdare.com Ludum Dare 35**, game rated 58th of >1k (js)
- Jan. 2014 *Hack 3city Game Jam* on-site, the team of three (Scheme)

## Meetups

MEMBER

**meetup.com**

Jul. 2015 – PRESENT

- *Alicante Tech meetup group*, Alicante, ES (conducted 2 workshops on programming in Scheme)
- *Bay Area Lisp & Scheme Users Group*, Mountain View, CA (presented a hobby compiler)
- *Python meetup*, Eindhoven, NL (presented a toy programming language CONSPiracy)

## Special Interest Groups

MEMBER

Oct. 2008 – May 2015

- *SIG of Mathematics* (Technical University of Gdansk) – 18 lectures and workshops, 5 undergrad conference talks
- *SIG of Logic* (University of Gdansk) – 2 workshops, 1 undergrad conference talks

## Important Drone Records

FOUNDER

Dec. 2018 – PRESENT

- Curating, mastering, selling and promoting held tone minimalism on cassettes and files