

Pavel Vasilyev

Data Scientist



haTavor 7
Tel Aviv
Israel
M +972 (50) 446 3834
E marchdown@gmail.com
marchdown.github.io

Computer skills

Languages

Python: Data analysis with pandas, scikit-learn, tensorflow. Prototyping.

Haskell: Parsing, DSLs and verifiably-correct code, mathematical prototyping

LISP (and Clojure specifically): Prototyping and data analysis, web apps, text & symbolic processing.

C, C++, Go: Working with older code or making an efficient implementation

Domain-specific, markup and auxilliary languages:

SQL, \LaTeX , XML, HTML, JavaScript, CSS, Coffeescript, Clojurescript, Chef, Puppet, httpd, nginx

Other competencies

Unix: Linux, OpenBSD, GNU userland, git, docker

Data processing: grep, beautifulsoup, pandas, lasagne

Professional applications I've used extensively

Text editors and IDEs: Emacs, XCode, JetBrains IDEs, Sublime Text

Computer algebra: Mathematica, Maple, Octave, Sage

Proof Assistants: Coq, Agda, Idris

Graphic design: Photoshop

Sound design & analysis: Supercollider, Ableton Live, Apple Logic, Praat

Education

University

Pursued BSc in Physics, CVUT, Prague. 2008–2010

MSc in Computational Linguistics, RSUH, Moscow. 2010–2015

Seminars & Summer schools

Attended undergraduate seminars in pure math, IUM, Moscow. 2010–2012

Attended graduate seminars in AI and machine learning, hosted by Yandex & MIPT, Moscow. 2016–2017

Summer School in Linguistics, Dubna. 2013

Summer School in Modern Maths, Dubna. 2013, 2014

Experience

Vocational

Junior Software Engineer, Finfon, Prague. 2009–2010

VoIP platform, code coverage

Software Engineer, Verba, Toronto & Moscow. 2010

Worked on a Corpus linguistics engine for a research project

Contractor, Ten-X, Hong Kong. 2016

Architecture, Design & Development of web applications

Teaching

Instructor, Ecological Summer School. 2016

History of AI

Instructor, Engineering Accelerator for talented youth. 2016

Foundational math for AI

Languages

Fluent English, passable French, German, Norwegian, Czech & Russian, working on Hebrew & Spanish.

Online classes on EdX, Coursera & the like

- AI and Algorithms pilot classes on Coursera
- ML with Andrew Ng
- Functional Programming