

Professional Experience

- Freelance web development (06/11 - present)
- Contributor/developer for Processing.js (06/10 - present)
- Research Software Engineer at the D-CIS Lab for Thales Research and Technology, Delft (12/07 - 05/11)
- Distributed perception network programming at the University of Amsterdam — research and implementation of solutions for distributed multi-agent Bayesian networks using Java and several data format technologies such as XML and JSON. (10/05 - 12/07)
- IRC Network operator for irc.aniverse.com — Administrative and helpdesk functions, public relations. (3/03 - present)
- Student representative on the faculty of artificial intelligence board of education, University of Amsterdam. (9/01 - 8/05)
- Nihongoresources.com — Web design, maintenance, writing educational material on the subject of Japanese language. (1/02 - present)

Education

- M.Sc. Artificial Intelligence, University of Amsterdam (9/04 - 6/08) — Thesis project: "Distributed Perception Networks; effecting consistent agent organisation and optimising communication volume in a distributed multi-agent network setting"
- B.Sc. Artificial Intelligence, University of Amsterdam (9/00 - 9/04) — Graduation project: "The History of the Frame Problem", co-authored with Tijn Schmits.
- Visiting student Japanese, Leiden University (10/02 - 1/05)
- Student technical computer science, Technical University Delft (9/98 - 8/00)

Computing Skills

- Programming languages: Javascript, Java, Processing/Processing.js, PHP, Prolog, limited Perl, limited C/C++, limited Python
- Databases: MySQL, SQLite
- Web development: HTML, CSS, SVG, XML, XSLT, JSON, jQuery
- CMS: Drupal, Wordpress, Magento, DokuWiki, experience writing custom CMS from scratch
- Versioning: git, svn
- Operating systems: Windows, limited UNIX (Cygwin)
- Office applications: Microsoft Word, PowerPoint, Excel, Adobe Acrobat
- Typography: FontForge, TTX, Adobe font SDK, wrote a TTF/OTF font parser in PHP
- Typesetting: TeX, LaTeX, Xe(La)TeX, wrote packages for PerlTeX/XeLaTeX
- Graphics: Photoshop, Paint.net, Inkscape, Sketchup

Public projects and websites

- <http://github.com/Pomax>
- <http://processingjs.nihongoresources.com>
- <http://kanjicomposition.com>
- <http://www.nihongoresources.com>

Personal websites

- <http://pomax.nihongoresources.com>
- <http://projects.nihongoresources.com>

Professional Publications

- "A Distributed Approach to Gas Detection and Source Localization Using Heterogeneous Information", G. Pavlin, F.C. Groen, P. de Oude, M. Kamermans, Springer Verlag, 2010. ISBN 978-3-642-11687-2
- "An intelligent decision support system for the decision making under uncertainty in distributed reasoning frameworks", T. Comes, C. Conrado, M. Kamermans, G. Pavlin, N. Wijngaards, M. Hiete; Proceedings of the 7th International Conference on Information Systems for Crisis Response and Management (ISCRAM 2010) – Seattle, Washington, USA May 2010, 2010 AND Proceedings of the 22nd Benelux Conference on Artificial Intelligence (BNAIC 2010), pages in press, 2010
- "A Collaborative Approach to Construction of Complex Service Oriented Systems", Penders, Ate, Pavlin, Gregor and Kamermans, Michiel, in: Proceedings of the Fourth International Symposium on Intelligent and Distributed Computing, Springer, 2010.
- "Dynamic Process Integration Framework: Toward Efficient Information Processing in Complex Distributed Systems", G. Pavlin, M. Kamermans, M. Scafes, 2009, IDC

Personal publications

- "An introduction to Japanese Syntax, Grammar and Language", 402 pages, B5 format, paperback textbook - ISBN 9789081507110 (2010)
- "An introduction to Japanese Syntax, Grammar and Language", 285 page e-Book (2006)

Language skills

- Dutch, fluent
- English, fluent; spoken fluency in both American and British English
- Japanese, intermediate
- German, basic knowledge
- French, basic knowledge