

# Michael Penkov

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Data Scientist with a strong professional Software Engineering experience.

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## Education

- 2010-2015**      **PhD, Information Science and Technology**; Hokkaido University (Sapporo, Japan)  
*Thesis title: Estimating Video Authenticity via the Analysis of Video Quality and Video Structures*
- 2002-2006**      **BEng, Software Engineering**; University of New South Wales (Sydney, Australia)

## Professional Experience

### Data Scientist at Profound Networks (2012 to present date)

- Actively led a team to rapidly develop a system for gathering business intelligence via the Web.
- Implemented and enforced baseline code and documentation quality levels.
- Developed machine learning solutions for Web domain classification & postal address extraction.
- Developed an ElasticSearch-based internal search system.
- Received an “Outstanding Developer Achievement Award” for the above efforts.

### Software Engineer at Canon Information Systems Research, Australia (2005 to 2010)

- Awarded for an effective demonstration of Canon technology at a conference.
- Authored 3 patents with the Australian patent office.

## Skills

**Programming Languages**      **Python:** my primary tool for development and data analysis. Closely familiar with the standard library, as well as **nlTK**, **libsvm**, **requests** and others. I'm very passionate about Python, and frequently attend PyCon conferences around the world.

**R:** used to complement my Python skills.

Intermediate knowledge of **C**, **bash** and **other command-line tools**.

**Open Source**      I've contributed to **ffmpeg**, **smart\_open**, **flake8**, **pandas** and **piexif**. See my **github profile** for a full list.

**Languages**      Native speaker of English and Russian  
Business-level proficiency in Japanese (JLPT Level 1)

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