

Hannes Hapke

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Professional Objective

To expand my career as a software developer working as part of a larger development team.

Skills Summary

- Strong **software development, communication and project management skills, self-motivated**
- Oversee **2 commercial projects** and created/contributed to several open source projects
- Expert **programming skills in Python and Django** demonstrated in conference contributions
- **Strong skills in PostgreSQL and JS frameworks**, as well experience with workflow tools such as CI and git
- Years of **technical experience, last as COO** of the technology start-up renooble, Inc.
- **Public git repository** available at <https://github.com/hanneshapke>

Professional Experience

renooble, Inc. (Renewable energy industry, \$100k+ funding, 5+ large customers)

Chief Operating Officer, Lead Developer

Houston, Texas and Portland, Oregon

Feb/14 - present

- Lead developer for the analysis software and API, code base of multiple 50k line modules
- Liaised with investors, mentors and customers
- Participated in the start-up accelerator SURGE

Co-Founder renooble.com

Cowes, United Kingdom and Santiago, Chile

Jan/13 - Jan/14

- Lead for the implementation of multiple product iterations
- Speaker at PyCon Uruguay 2013, submission accepted at PyCon US 2014
- Participation in the Start-up Chile accelerator program

Vestas Wind Systems A/S (Renewable energy industry, 7.2bn EUR revenue, 17,000+ employees)

Financial Engineer, Commercial Project Management

Vestas Australia, Melbourne, Australia

Oct/11 - Dec/12

- Delivery of key models for Executive Management on market strategies and multi-million dollar projects in Australia, India and South-East Asia

Management Training Program at Vestas Wind Systems A/S with positions as:

Aug/09 - Aug/11

Product Analyst, Vestas Asia-Pacific Ltd

Vestas Asia-Pacific, Singapore and Chennai, India

Jan/11 – Aug/11

- Responsible for financial analyses of the costs-out initiatives for Vestas' installations in India

Product Analyst, Product Management

Vestas Technology R&D, Århus, Denmark

May/10 – Dec/10

- Responsible for business cases for executive management on product introductions to India, performed financial assessments and project finance calculations for the cost target

Project Manager Assistant, Project & Product Management,

Vestas Global Research, Århus, Denmark

Aug/09 – Apr/10

- Developed detailed energy storage simulation tools and market overviews for Europe and the USA

Education

- **Oregon State University, College of Engineering**, Corvallis, Oregon, USA
Master of Science in Electrical Engineering, Focus on Energy Systems, GPA: 3.6/4
Graduation
June 2009
- **Oregon State University, College of Business**, Corvallis, Oregon, USA
Minor in Business Administration, Management
- **University of Stuttgart**, Stuttgart, Germany
Electrical Engineering, Pre-diploma
2006

Open Source and Commercial Projects

- **PyZillow** (Creator)
Created a Python wrapper for Zillow's property APIs
- **PyPVWatts** (Contributor)
Rewrote the package to comply with the latest NREL PVWatts v5 API
- **Pophealth Insurance Claim Process** (Commercial work)
Created an AngularJS application for an insurance claim process
- **Open Source Bridge 2015 Volunteer Application** (Contributor)
Rewriting the volunteer application for this year's Open Source Bridge conference
- **PyNRELUtility** (Creator)
Created a Python wrapper for NREL's Utility API
- **PyEXIF** (Creator)
Created a Python package to extract geolocations from images after submitted through Django forms
- **Diabet.io** (Creator)
Healthcare tracking application for diabetics; Gamification app writing in ember.js

Technical Skills

- Expert in Python as well as the Django framework
- Strong background in REST API development as well as developing API wrappers
- Strong background in Java Script, particularly AngularJS and ember.js
- Strong background in test-driven development, CI platforms and deployments
- Strong background in handling of PostgreSQL and PostGIS
- Strong knowledge in common development tools, e.g. git

Language Skills

- Fluent in English and German

Presentations and Publications

Related to Python Development

- **Making Django sites more responsive with REST and AngularJS**,
August 25th, 2014, PDXPython Presentation, <http://slidesha.re/1yoi4Vo>
- **Share your code with the Python world by creating pip packages**,
January 28th, 2014, PDX Python Lightning Talk, <http://slidesha.re/1KO6jhr>
- **From a Python beginner to a Django developer in 6 months**,
2013, PyCon Conference Uruguay, <http://slidesha.re/15290f9>

Related to Wind Energy or other Renewable Energies

- With Z. Wu, K. Haapala, and T.K.A. Brekken, Sustainable Business Practices, Chapter. **Wind Power Energy Technology and Environmental Impact Assessment**. 2010.
- With T.K.A. Brekken, A. Yokochi, A. von Jouanne, J. Yen, C. Lalla, and D. Halamay, **Optimal energy storage sizing and control for wind power applications**, IEEE Transactions on Sustainable Energy, 2010.
- With K. Haapala, Z. Wu, and T.K.A. Brekken, **Life cycle assessment of modern wind power plants**, in Proceedings of IDETC/CIE, 2010.
- With T.K.A. Brekken, C. Stillinger, and J. Prudell, **Machines and drives comparison for low-power renewable energy and oscillating applications**, accepted for publication in IEEE Transactions on Energy Conversion, 2010.

Awards

- Top 3 start-up (out of 1,700 submissions) during the Start-up Chile competition
- Scholar of the Landesstiftung foundation of the State of Baden-Württemberg, Germany (2006) and the Lucent Scholarship Program (2004)
- Finalist in business/technology competitions of Vestas (2008) and Rohde & Schwarz (2005)