

# Hannes Hapke

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## Professional Objective

To expand my career as a software developer focusing on scaling applications for a large audience.

## Skills Summary

- Strong **software development, communication and project management skills, self-motivated**
- **Strong programming skills in Python and Django** demonstrated in conference contributions
- Solid experience with the Python ecosystem and tools (e.g. CI, fabric, Celery, Redis, REST APIs)
- Managed **2 commercial projects** and created/contributed to several open source projects
- **Strong skills in PostgreSQL and JS (Ember.js and AngularJS)**
- 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 REST API (Django, DRF, Celery, Redis)
- Responsible for front-end development (AngularJS) and implementation of CI workflow
- 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 cost-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

## Other Open Source and Commercial Projects

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- **Pophealth Insurance Claim Process Tool** (Commercial work, AngularJS)  
Created the claim process front-end for a major insurance provider
- **Diabet.io** (Creator, ember.js)  
Created a healthcare tracking application for diabetics; Gamification app
- **Open Source Bridge 2015 Volunteer Tracking Application** (Contributor, Django)  
Currently rewriting the volunteer tracking application for this year's Open Source Bridge conference
- **PyZillow** (Creator, Python)  
Created a Python wrapper for Zillow's property APIs
- **PyPVWatts** (Contributor, Python)  
Rewrote the package to comply with the latest NREL PVWatts v5 API
- **PyNRELUtility** (Creator, Python)  
Created a Python wrapper for NREL's Utility API
- **PyEXIF** (Creator, Python)  
Created a Python package to extract geo-locations from images

## Technical Skills

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- Expert in Python as well as the Django framework (incl. GeoDjango for spatial applications)
- Strong background in the Python ecosystem (e.g. Celery, Redis, REST framework, fabric)
- 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 (Rackspace and AWS S3)
- Strong background in handling of PostgreSQL and PostGIS

## Language Skills

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- Fluent in English and German

## Presentations and Publications

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### Related to Python Development

- **Making Django sites more responsive with REST and AngularJS**,  
August 25th, 2014, PDX Python 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**,  
November 2nd, 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

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- Top 3 start-up (out of 1,700 submissions) during the Start-up Chile competition (2013)
- Finalist in business/technology competitions of Vestas (2008) and Rohde & Schwarz (2005)
- Foundation of the State of Baden-Württemberg Scholar, Germany (2006), Lucent Scholarship Program (2004)