

# Gabriele Angeletti

London, UK  
(+44) 7803 056685

✉ [angeletti.gabriele@gmail.com](mailto:angeletti.gabriele@gmail.com)

🔗 <https://github.com/blackecho>

in <https://www.linkedin.com/in/gabriele-angeletti>

📷 [gabriele.angeletti1](#)

## Experience

**Research Engineer**, Blue Vision Labs 2018-01–Present  
Design and implement algorithms to analyze the behavior of complex 3D mapping and localization systems. Design and build the end-to-end infrastructure around those algorithms to automate analysis workflows. Side work on experimental projects involving the use of machine learning to improve the mapping and localization systems.

**Research Engineer intern**, Blue Vision Labs 2017-08–2017-12  
Involved in a project about replacing SIFT with deep learning to improve features description and matching.  
Built tools to evaluate and monitor the performance of 3D mapping systems.  
Contributed to the design of a data warehouse solution to efficiently store and retrieve hundreds of millions of records.

**Consultant**, 2014–2017  
Involved in different projects during university, mainly in full-stack web development, web crawling, and natural language processing.

**Student**, InnovAction Lab Spring 2013  
Entrepreneurship course about how to present business ideas directly to investors.

## Education

Sapienza University of Rome, 2015–2017  
M.Sc. in Engineering in Artificial Intelligence and Robotics, (English Degree)  
Final grade 110/110  
Thesis: *Adaptive Deep Learning through Visual Domain Localization*<sup>1</sup>

Sapienza University of Rome, 2011–2014  
B.Sc. in Engineering in Computer Science and Automation, (Italian Degree)  
Final grade 106/110  
Thesis: *Statistical analysis of mobile apps reviews to improve users' QoE*

## Engineering Skills

**Python**, proficient: SciPy ecosystem, PyTorch, TensorFlow

**RDBMS**, proficient: PostgreSQL, MySQL, AWS RedShift

**JavaScript**, proficient: ES6, TypeScript, Angular, D3

**Golang**, some experience building microservices

**Cloud technologies**: AWS (S3, EC2, ECS, EMR, Batch), ElasticSearch

**Data engineering**: Airflow, Luigi

## Projects

Deep Learning TensorFlow<sup>2</sup>: Ready to use implementations of various Deep Learning

---

<sup>1</sup><https://github.com/blackecho/master-thesis>

<sup>2</sup><https://github.com/blackecho/Deep-Learning-TensorFlow>

algorithms using TensorFlow.

<b>Publications</b>	G. Angeletti, T. Tommasi, B. Caputo. "Adaptive Deep Learning through Visual Domain Localization". In: <i>IEEE International Conference on Robotics and Automation (ICRA)</i> (2018) <sup>3</sup>
<b>Languages</b>	Italian, native speaker English, fluent spoken and written skills
<b>Honors</b>	Ranked 13 / 2189 among Python github users in Italy by <sup>4</sup> 2018 Winner of Accenture Digital Hackathon Rome 2016 NASA International SpaceApps Challenge 2015 Local winner (Rome) & Global winner for category Galactic Impact Project: CROPP—Cultures Risks Observation and Prevention Platform <sup>5</sup>
<b>Activities &amp; Hobbies</b>	Applications of machine learning to visual and musical arts Open source projects Data visualization

---

<sup>3</sup><https://arxiv.org/abs/1802.08833>

<sup>4</sup><http://git-awards.com/>

<sup>5</sup><https://2015.spaceappschallenge.org/award/>