

CURRICULUM VITAE of Rafael Küng

PERSONAL DATA	First name: <i>Rafael</i> Last name: <i>Küng</i> Date of birth: <i>6 February 1984</i> Place of birth: <i>Muri AG, Switzerland</i> Home town: <i>Beinwil / Freiamt, Switzerland</i> Nationality: <i>Swiss</i>		
CONTACT INFORMATION	Universität Zürich Physik Institut Winterthurerstrasse 190 CH-8057 Zürich, Switzerland	office: 36K03 office phone number: +41 44 635 44 06 e-mail: rafik@physik.uzh.ch webpage: http://www.physik.uzh.ch/~rafik/	
RESEARCH INTERESTS	• Strong gravitational lensing: lenses as cosmic telescopes • Citizen science: crowd-sourced object classification and data modelling • Informatics: Data mining and analysis systems • Informatics: Networks		
EDUCATION AND CAREER	<ul style="list-style-type: none">• PhD in Physics, Universität Zürich Supervisor: XXX, Dr. P. Saha Feb 2014 - present• MSc in Computational Science Universität Zürich Thesis Title: <i>SpaghettiLens – Lens modeling made easy</i> Supervisors: Prof. G. Lake, Dr. P. Saha. 31/12/2013• BSc in Physics Universität Zürich Minors: <i>Mathematics, Applied Informatics for Scientists, Neuroinformatics</i> Thesis Title: <i>HaloViz: An analysis and visualization tool for halos in astrophysical simulations</i> Supervisors: Prof. B. Moore. 31/07/2012• High school diploma Kantonsschule Wohlen, Switzerland Summer 2005		
LANGUAGE AND COMPUTING SKILLS	<i>Languages:</i> <ul style="list-style-type: none">• German• English• French <i>Software skills:</i> <p>Extensive use of the • GNU/Linux and • Windows operating systems, both as administrator and user. Good knowledge of • L^AT_EX, • Office and • Matlab.</p> <i>Programming:</i> <p>Good knowledge of • C++ • Python • Java • HTML • JavaScript • PHP.</p>	mother tongue fluent in speaking and writing good	
DIDACTICAL ACTIVITY	<ul style="list-style-type: none">• Tutor and lecture assistant for the lectures <i>Physik I/II</i> held by Prof. U. Straumann Universität Zürich 2013/2014• Tutor for the colloquium <i>Physik für Mediziner</i> held by Prof. J. Osterwalder Universität Zürich 2009 – 2012• Tutor for the colloquium <i>Physik für Biologen</i> held by Dr. Ch. Aegerter Universität Zürich 2009 – 2012• Highschool teacher for <i>Physics</i> Realgymnasium Rämibühl, Zürich Jul 2011 - Dec 2011• Highschool teacher for <i>Physics</i> Literargymnasium Rämibühl, Zürich Jan 2009 - Jul 2011		

MAIN

COLLABORATORS

- Dr. P. Saha (Department of Physics, UZH)
- Dr. P. Marshall (Kavli Institute for Particle Astrophysics and Cosmology, Stanford University)
- Dr. A. More (Kavli IPMU, University of Tokyo)
- Dr. A. Verma (Department of Physics, University of Oxford)
- Dr. J. R. Brownstein (Department of physics and astronomy, University of Utah)

PUBLICATIONS

Published papers:

- *“Lens Modeling in SpaceWarps”*
Rafael Küng, Other Authors 2014, Physical Review D, volume 86, issue 8, 084028