

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 Feb 2014 - present Supervisor: XXX, Dr. P. Saha• MSc in Computational Science, Universität Zürich 31/12/2013 Thesis Title: <i>SpaghettiLens – Lens modeling made easy</i> Supervisors: Prof. G. Lake, Dr. P. Saha.• BSc in Physics, Universität Zürich 31/07/2012 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, Ch. Corbett Moran• High school diploma Summer 2005 Kantonsschule Wohlen, Switzerland		
LANGUAGE AND COMPUTING SKILLS	<i>Languages:</i> • German (mother tongue) • English (fluent in speaking and writing) • French (average) <i>Software skills:</i> Extensive use of the • GNU/Linux and • Windows operating systems, both as administrator and user. Experience with setup and administration of • LDAP, • SAMBA, • XMPP, • XAMPP, • nginx, • MySQL and • Virtual Machines. Good knowledge of • \LaTeX , • Office and • Matlab. <i>Programming:</i> Good knowledge of • C++ • Python • Django • Java • HTML • JavaScript and • PHP.		

DIDACTICAL ACTIVITY	• 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 <i>Physik für Biologen</i> held by Dr. Ch. Aegerter, Universität Zürich	2009 – 2012
	• Highschool teacher for <i>Physics</i> (65%) Realgymnasium Rämibühl, Zürich	Jul 2011 - Dec 2011
	• Highschool teacher for <i>Physics</i> (25%) 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:	
	• “ <i>Lens Modeling in SpaceWarps</i> ” Rafael Küng , Other Authors 2014, Physical Review D, volume 86, issue 8, 084028	