

Curriculum Vitae

Personal Information

Name	Gil, Sebastián
Place of Birth	San José, Costa Rica (1992)
Place of Residence	Vancouver, Canada (2011-2018)
Nationality	Costa Rican
Civil Status	Bachelor
Contact	sebasgil1@gmail.com

Education

2011-2016	Bachelor of Science in Combined Honours Physics and Astronomy
	University of British Columbia, Canada
2009-2011	International Baccalaureate Diploma
	Lincoln School, Costa Rica

Awards

2016	UBC Faculty of Science International Student Scholarship
2015	Association of Latin American Students International Student Award
	UBC International Community Achievement Award
2014	Department of Physics Bruce Marshall Price for Optics
2011	UBC Outstanding International Student Award
	UBC President's Entrance Scholarship
2009-2011	Lincoln School President's List Award

Research Positions

2017-2018	Web Development and Ultracold Plasma Physics
	UBC Chemistry Department
2016	Work Learn International Student Research Award
	UBC Physics and Astronomy Department
2014	Summer Student Research Assistant
	UBC Physics and Astronomy Department

Teaching Positions

2017	Lecturer in Computer Programming and Business Calculus
	Vancouver Institute for Higher Learning
2016	Tutor in IB/AP Physics and Calculus
	Vancouver Institute for Higher Learning
	Tutor in High School Math and Science
	Tutor Doctor North Shore

Volunteering Experience

2017	Front Desk and IT
	Karma Teachers Center for Yoga and Meditation
2013-2014	Council Member
	UBC Undergraduate Physics Society
2010	Construction Assistant
	Un Techo Para Mi País

Analytical Skills

Theoretical Physics	<i>analytical mechanics, quantum mechanics, stochastic mechanics, statistical mechanics, thermodynamics, electrodynamics, special and general relativity</i>
Astrophysics	<i>high-energy astrophysics, celestial mechanics, planetary science, stellar hydrodynamics, cosmology</i>
Mathematics	<i>multivariable and vector calculus, linear algebra, ordinary and partial differential equations, complex analysis, probability distributions, markov chains, fractional calculus, calculus of variations, differential geometry</i>

Technical and Laboratory Skills

Programming	<i>python, bash, git, L^AT_EX, HTML5, CSS3, javascript, jQuery, MATLAB, gnuplot</i>
Instruments	<i>simple circuits, analog to digital converters, oscilloscopes, thermocouples, photon multipliers, HeNe lasers, interferometry, spectroscopy, signal detection, radio astronomy, optical astronomy, remote telescope operation</i>
Data Analysis	<i>finite difference approximations, least squares fitting, linear regression, random variables, machine learning, kmeans clustering, principal component analysis</i>

Artistic Skills

Music	<i>guitar, bass guitar, alto and tenor saxophone, minor percussion, recorder, vocals, live and studio mixing</i>
Literature	<i>critical analysis, surrealism, magical realism, science fiction, prosody, rhetoric, folklore</i>
Portfolio	https://sebasgil.github.io/