Jeffrey P Hafner

Physicist

May 23 1983

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About me

I am a geek, a skeptic and I wear bowties for fun.

Skill

Java

polite

outgoing

good manners

pursuer of rabbits

lovely★4 narcissistic★3

(*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

interests

Backpacking

education

2001-2006	M.S.	Andrews University
	Biophysics and Math studies	
2008–2012	Ph.D. Physics	University at Buffalo
	Validation and refinement of coarse grained protein models.	

publications

2009	Hafner J & Zheng W. Approximate normal mode analysis based on vibrational subsystem analysis with high accuracy and efficiency. J. Chem. Phys. 130, 194111 2009. (pdf)
2010	Hafner J & Zheng W. Optimal modeling of atomic fluctuations in protein crystal structures for weak crystal contact interactions. J. Chem. Phys. 132, 014111 2010. (pdf)
2011	Hafner J & Zheng W. All-atom modeling of anisotropic atomic fluctuations in protein crystal structures. J. Chem. Phys. 135, 144114 2011 (pdf)

experience

2005	Wilderness Guide and Camp Counselor	Flying Moose Lodge
	Was responsible for takings boys on 10 day excursions throughout the state of Maine.	
2006–2008	Teaching Assistant	University at Buffalo
	Was responsible for laboratories and recitations.	
2008–2011	Research Assistant	University at Buffalo
	Research that produced three peer reviewed publications.	
2012	Postdoctoral	University at Maryland
	Implemwentation of Particle Mesh Ewald Electrostatics for Continuous Constant pH Molecular Dyanmcis in CHARMMM.	
2013	Towson University	Adjunct Physics Professor
	Teaching the laboratory section of Light and Color	
2014–2015	Baltimore City Public Schools	Physics Teacher
	Teaching physics first at Mervo	
2015–2016	Masters School	Physics Teacher
	Teaching 11^{11} and AP Physics B Mechanics	
2016–Current	IPsoft Inc	Unix/Automation Engineer
	Diagnose and Resolve clients Unix Requests	

other information

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