

Nicholas P. Carter, PhD
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Overview

Experienced technical trainer in all aspects of PV system design, installation and sales
NABCEP-certified PV Installer since 2007 (valid until October 2013)
NYSERDA Provisional Eligible Installer (New York)
Experienced PV installer, in all roles, with over 50 systems in the North San Francisco Bay area
Software developer (Windows applications in 'C') and proficient user (Word, Excel, Powerpoint, AutoCAD, etc.)

Employment history

<i>Founder & Owner, npc Solar</i>	2006-present
Developing PV training curriculum, delivering PV training and designing PV systems Current clients include: Solar Living Institute, Pacific Technical College, Solano Community College, Green Build Energy Group, Siliken and TM Montante Solar Developments of New York	
<i>Director, Curriculum Development Solar, Green Career Institute</i>	Jun 2009-Nov 2009
Hired PV trainers, developed and delivered "train the trainer" process Recruited potential licensees of the PV training program	
<i>Vice President, Training & Education, SolarStaffing</i>	Jun 2008-Jun 2009
Developed & delivered 5-day training course for PV system installers, designers and salespeople to 1,000+ trainees Developed visiting speaker program involving industry representatives and fostered company sustainability policy Acted as company liaison with Employment Development offices throughout Northern California	
<i>Solar Electric System Designer & Installer, North Bay Solar Electric,</i>	2002-2005
PV system designer and installer Responsibilities included PV system installation, design, sales, troubleshooting and permit processing for over 40 systems in the North San Francisco Bay Area	
<i>Software engineering consultant, Opus Technologies, San Diego, CA</i>	2000-2001
<i>Founder & Owner, npc Imaging</i>	1998-present
<i>Senior Software Engineer, Opus Technologies, San Diego, CA</i>	1997-1999
<i>Senior Research Fellow, University of Surrey, England</i>	1995-1997
<i>Postdoctoral Research Fellow, University of Surrey, England</i>	1993-1995
<i>Visiting Scholar, Stanford University, CA</i>	1993
<i>Visiting Researcher, Center for Computer Assisted Research in the Humanities, Menlo Park, CA</i>	1992-1993
<i>Nuffield Foundation Visiting Researcher, Florida State University, Tallahassee, FL</i>	1992
<i>Research Officer, University of Surrey, England</i>	1988-1992

Renewable energy certificates and courses

Solectria Renewables Commercial 3 phase and Residential PV Inverter Installer Training	2008
Photovoltaic Power Systems and the National Electrical Code (John Wiles)	2008
Kaco New Energy - Grid tied PV Inverter Installation & Safety Training	2008
SMA America PV Technical Training	2007
NABCEP Certified PV Installer (#092907-47)	2007
Sharp Solar Certified Installer (#20070050003)	2007
PG&E Pacific Energy Center, Advanced Photovoltaics (PV) for Grid-Tied Applications	2007
PG&E PEC, Understanding Financial Analysis Methods for Photovoltaic (PV) Systems	2005
Sunvista Installer Certificate, Sharp Solar Systems Division	2004
PV201 Photovoltaic Systems Design, Basic Course, Solar-On-Line, SoL Energy	2003

Degrees and Qualifications

Doctor of Philosophy, Physics and Music Departments, University of Surrey, England	1989
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Environmental Activities

<i>National board member, Electric Auto Association (www.eaaev.org)</i>	2004-2006
<i>President and Program Director, North San Francisco Bay Chapter, Electric Auto Association (www.nbeaa.org)</i>	2002-2006
<i>Organizer, ASES Solar homes tour, Sonoma County</i>	2005
<i>Co-ordinator, Kyoto Day Celebrations, Sonoma County</i>	2005
<i>Participant/speaker at numerous "Green" exhibitions and festivals</i>	2002 to date

Lectures & Presentations

Sustainable lifestyle and renewable energy seminars, City of Santa Rosa	2006-2008
Guest Speaker for showing of movie "Who Killed the Electric Car" by Sonoma County Conservation Action	July 2007
Interview with Curtis Kim from KFTY re: Governor Schwarzenegger's State of the State address	January 2007
Sustainable Living and Renewable Energy, Sunday Symposium at Oakmont	September 2006
News interview regarding PV and EVs, KFTY News Channel 50	February 2006
Seminars on electric vehicles, Santa Rosa Junior College, Santa Rosa, CA	2004-2007