

Kimberly L. King

Phone: +1 415 832 9084 • PO Box 22002, Oakland, CA, 94623 USA • E-mail: kimgerly@kimgerly.com

PROFESSIONAL SUMMARY

Project engineer, renewable energy engineer, disruptive technologist, technical writer, web content management, copy editor and communications specialist in renewable energy, sustainable development, and IT systems analysis. Greatest strengths include taking bold, decisive, definitive action to solve problems, adept at networking and building strategic alliances, developing and working in collaborative teams. Comprehensive knowledge of current research and trends in the field of renewable energy and sustainability development. Held leadership and decision-making roles in computer software start-up companies during the dot-com.

SKILLS

- **Photovoltaic systems** – Perform solar site assessments and analysis, photovoltaic (PV) design and installation. Compose multiple draft design proposals for residential photovoltaic array installations.
- **Wind energy systems** – Perform micro-siting of wind resources, data acquisition, data validation and reporting. Develop a commercial application schema for installing small wind turbines in the built environment.
- **Energy monitoring** – Define data control points, monitoring equipment and data visualization software selection for building energy and resource performance monitoring.
- **Systems Analysis** – Evaluate, recommend, and install technologies, information design methods, analyze system deficiencies and implement solutions to improve workflow processes.
- **Computer expertise** – Hardware, Software, and Web
 - Web: HTML, XHTML, XML, Cascading Style Sheets (CSS), FTP, Apache web server, Adobe Acrobat, Adobe Photoshop and Macromedia Dreamweaver.
 - Hardware Platforms: Linux, Macintosh, PC-compatible, Sun SPARCstation
 - Software: Adobe Acrobat, Adobe Connect Pro, Adobe FrameMaker, Adobe Illustrator, Adobe InDesign, Adobe Photoshop, ArcGIS, AutoCAD, HOMER Energy, Macromedia Dreamweaver, JMP, LabVIEW, Microsoft Office Suite for Windows & Macintosh, PVSYST, SolidWorks, StatView, SunPath, WebEdit Pro, WindFarm, WRPlot
 - Operating Systems: MacOS 7.x/8.x/9.x/X, MS-DOS, UNIX (Solaris 7_Intel x86, Sun OS 5.7, Solaris 2.6, 2.7), Windows 95/98/NT 3.51 & 4.0/2000/XP/Vista/7
 - Languages: C, Python, SAS, UNIX Shell Scripts (awk, Bourne, Korn, sed)
 - Databases: Access, FileMaker Pro, MySQL, Oracle 8.1.7, Vignette CMS

EXPERIENCE

Renewable Energy Project Engineer (2006 – Present)

Local Clean Energy Alliance, Oakland, CA, USA (Volunteer)

September 2011 - Present

Perform renewable energy policy research including investigating distributive/decentralized energy, energy/demand reduction and community choice alliance energy programs arenas. <http://www.localcleanenergy.org/>

Silvercrest, South Normanton, Derbyshire, UK (In-perpetuity Telecommuting Contract)

August 2009 - Present

Conduct wind and hydro engineering research, provided analysis and compiled information for a consultancy specializing in energy conservation, maximising of resource efficiencies and system automation and integration. <http://www.silvercrestec.com/>

Yang Associates, Sunnyvale, CA, USA (In-perpetuity Telecommuting Contract)

January 2008 - Present

Responsible for editing and writing web copy for global audiences, performing search engine optimization and usability testing code for Wattminder, PVMonitor, an advanced, real-time photovoltaic system and utilities monitoring and intelligent diagnostics web site. <http://www.wattminder.com>, <http://pvmonitor.net/>

Rumsey Engineers, Inc., Oakland, CA, USA

January - June 2006

Conduct energy and resource performance monitoring on the Carnegie Institution Global Ecology Center building. Conduct performance-based energy calculations. Provide content updates and assisted with report and proposal generation. <http://www.rumseyengineers.com>

Technical Writer (2000 – Present)

Edit and write copy for installation guides, training manuals, proposals and patent applications for global audiences including print and on-line web page views. Research, compose, edit and revise RFPs, documentation, installation guides, user manuals, and tutorial guides of server products documentation.

Clients: Zep Solar, Inc., Sustainable Solutions Unlimited, Chinook Wind, Vesticon, Inc., Phreesia.com, The Rahus Institute, MDL, Inc., Siebel Systems, Inc.

Web Architect/Senior UNIX Systems Administration/Programmer (1994 – 2005)

Provide front-end and back-end technical assistance in the development and design of the web site database. Design, develop, implement, and construct the navigation, layout, style, graphics and web content. Perform web content management and usability testing. Provide 24x7 Level I, II, and III support for all production web servers and end-user workstations in heterogeneous platformed environments. Assist in statistical data report preparation and special programming projects. Automate programs using interactive scripts.

Clients: Preview Travel, Inc./Travelocity.com, Forté Software, Johns Hopkins University School of Medicine

EDUCATION

PGDipl (MSc non-thesis), Renewable Energy Engineering, Loughborough University, UK

Dates of attendance :: September 2008 – June 2010

Graduate coursework in solar, wind, ocean/hydrokinetic and biomass, renewable energy systems integration, sustainability, policy and environmental management. Specialization in hybrid renewable energy systems. Perform research on investigating opportunities for siting small wind turbines in the built environment.

BSc Mathematics, Georgia State University and Georgia Institute of Technology, Atlanta, GA, USA

Date of graduation :: March 1993

ADDITIONAL COURSEWORK & PROFESSIONAL DEVELOPMENT

ASME Certificate, Wind Power and Turbine Technology, Portland, OR, USA

Dates of attendance :: January 2007

Graduate Coursework, Sustainability Development/Energy & Resources, Universiteit Utrecht, Utrecht, NL

Dates of attendance :: August – December 2005

Coursework: energy analysis, integrated systems approach to sustainability development and energy and resources policies.

Graduate Coursework, Mechanical Engineering & Sustainability Development, University of California, Berkeley, CA

Dates of attendance :: 2001, 2002, 2005

Coursework: thermodynamics, quantitative aspects of global environmental problems and environmental law and regulation.

Coursework in Photovoltaic Design and Installation, Diablo Valley College, Pleasant Hill, CA, April - May 2005

Certificate in Photovoltaic Design and Installation, Solar Energy International, March 2004

PROFESSIONAL AFFILIATIONS

Energy Institute
International Solar Energy Society
Union of Concerned Scientists

INTERESTS

To research and engineer hybrid renewable energy power microgrid systems. Make contributions to hybrid renewable distributive energy power systems and to the development of the distribution of renewable energy via the World Wide Energy Web. Engineer renewable energy efficiency designs.