

Michael Cohn

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Education

Oregon Institute of Technology, Portland OR

Bachelor of Science in Renewable Energy Engineering, Minor in Alternative Fuel Systems June 2012

Courses: Thermodynamics, Fluid Mechanics, Heat Transfer, Statics, Circuits, Chemistry, Differential Equations, Electronics, Electric Power, Photovoltaic Systems, Instrumentation and Control Systems, Grant Writing, Biofuels and Biomass, Micro Hydro, Electromechanical Conversion Systems, Batteries Storage and Chemistries

GPA: 3.2

Senior Capstone: Created a feasibility study and funding proposal for a secondary school campus in Chomwino, Tanzania including supporting construction documents, component sizing, purchase order for materials, and sociological analysis of requisite cultural factors and training. The design included a grid-tied PV system, purified water pump system and distribution system, anaerobic digestion waste treatment facility, methane gas distribution and heat recovery.

Maharishi University of Management, Fairfield IA

Bachelor of Arts in Business Management, Minor in Environmental Science June 2006

Courses: Organizational Management, Entrepreneurship, Marketing, Economics, Finance, Statistics, Accounting, Business Law, Human Resources, Ecology, Green Architecture

GPA: 3.0

Skills

Computer: Labview, Matlab, CAD, LTSpice, Google Sketchup, Microsoft Word, Excel, PowerPoint.
Extremely organized; Great communication skills, both verbal and written;
Easily adapts to changing environments; Able to work in teams as a leader or a group member;
Able to tackle multiple tasks at once

Related Experience

Intern to the Economic and Business Correspondent, Office of US Senator Jeff Merkley, OR Spring 2012

- Researched feed-in tariff policies, environmental policies, energy efficiency standards, and future trends in the private power generation sector
- Participated in policy meetings by environmental and energy companies
- Participated in constituent case services

Organizational Director and Project Manager, APT Medical, OR Winter 2011-2012

- Managed an engineering design team to develop pre-fab shipping container hospitals
- Participated in the design of a power, telecommunication, and water purification system
- Traveled to Tanzania and created a feasibility study, partnership development, planning and logistics for manufacturing

Power System Designer, Architects without Borders and Global Health Center, OR Fall 2011-Present

- Recruited to design PV power systems for medical facilities in Democratic Republic of Congo

Power System Designer, Green Empowerment, OR Spring 2012

- Raised funds, designed and installed solar irrigation systems into rural agrarian communities in Nicaragua.

Volunteer Coordinator and Power System Designer, Solar Hope, OR Spring 2010-Present

- Raised funds, designed and installed PV power systems into rural communities in Tanzania.
- Gave presentations on the organization's projects and impacts on the African community
- Founder of the Oregon Institute of Technology Funding Committee

Sales Representative and Warehouse Manager, Green Building Supply, IA 2006-2007

- Traveled and presented energy-efficient building materials at tradeshow.
- Managed warehouse inventory and the shipping and receiving department

International Experience

Nicaragua, Green Empowerment

Spring 2012

- Installed photovoltaic-based irrigation system in rural agrarian communities.

Tanzania, APT Medical

Summer 2011

- Led a feasibility study, through APT Medical, and implement a prototype for a prefab medical facility.

Tanzania, Solar Hope

Summer 2010

- Installed photovoltaic cells in schools, orphanages, and medical clinics.

Costa Rica, Maharishi University of Management

Winter 2004

- Certificate in Permaculture, Biodynamic farming and Sustainability Design.

India, Maharishi University of Management

Winter 2003

Organizations

Member of the Institute of Electrical and Electronics Engineers (IEEE)