

4074 Gillsville Hwy.
Gillsville, GA 30543

October 18, 2012

Mr. Marcin Jakubowski
Open Source Ecology
Maysville, MO

Dear Mr. Jakubowski:

I just learned about your organization and your work in designing and manufacturing low-cost, appropriate, and sustainable technologies. Through Green Dream Jobs, I learned that your organization is in search of a mid-level, full time, Machine Designer. My work experience includes both Machine Design and training of Third World Community Development leaders in appropriate technologies.

I have over 5 years experience in mechanical engineering, most of which has been in the development of textile machinery. Recently, I have been designing and building (on our family farm in Georgia) CNC shop equipment.

Skills I will bring to Open Source Ecology:

- **Mechanical Engineering:** MS degree in Control Theory (digital and analog) from the Georgia Institute of Technology; skills include new product development, welding, shop equipment fabrication, and use of various shop tools. (Link to project photos: <http://www.edtechint.com/GriffinCNC/Index.html> .)
- **Biological Engineering:** MS degree in ABEN from Cornell University; training includes Advanced Fluid Mechanics, biomass conversion processes, and environmental engineering.
- **Appropriate Technologies:** Over 12 years experience working with a wide range of technologies appropriate for the developing countries.
- **Computer Programming:** Desktop, database, and web application programming.
- **Electronics:** experience in design and building of circuit boards and control systems.
- **Grant Writing:** One year experience as grant writing coordinator while serving as an Americorps Vista volunteer.
- **Education and International Development:** Training in International Affairs (Economic and Political Development) and Science Education at Columbia University in New York, NY.
- **Agricultural and teaching** experience in: Colombia, Bolivia, and Venezuela.
- **Languages:** fluency in Spanish and basic French.
- **CAD:** 2-D BobCAD and 3-D SolidWorks (includes Simulation Analysis).
- Excellent **research, writing, and problem-solving** skills.
- **Fast learner;** willing to acquire manufacturing and project management certifications and pursue additional training as needed.

References:

Dr. Larry Winiarski (Aprovecho— inventor of the rocket stove); Email: larryw@gotsky.com; Phone: 541-753-4921.

Ms. Sarah Corson (co-founder, Southern Institute for Appropriate Technology/Servants in Faith and Technology); Email: Corsonsm@aol.com; Phone: 256-357-2608.

I would enjoy very much talking with you about opportunities with Open Source Ecology. The main asset that I will bring to your organization is diversity of technical and cross-cultural skills. In addition to machine design, these include computer programming, grant writing, and linguistic skills. I am flexible and will be available to make contributions in any of these areas. Please feel free to call or email me anytime.

Sincerely,
Franklin Griffin III
(770) 534-9856