

Martin Schuster, BSc Building science and design

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Resume

Languages:

Fluent in French, German and English.

Education:

Ecole Rudolf Steiner Geneve (Kindergarten-9th grade)
Geneva, Switzerland

High Mowing School (10th grade to 12th grade)
Wilton, NH USA

University Education:

Paul Smiths College of the Adirondacks (Fall 2010)
Environmental Science/forestry major. Paul Smith, NY USA

University of Utah (Spring 2011, 3 months)

Quest University (Fall 2011- Spring 2015)
Squamish, British-Columbia Canada
Bachelors in building science and design

Awards/ Certifications:

Technical Rope Rescue-Technician (Rescue 3, NFPA 1670 and 1006)
Swiftwater Rescue-Technician (SRT1)(Rescue 3, NFPA 1670 and 1006)
Rescue from vehicles in Water (Rescue 3, NFPA 1670, 1006, WCB standards and OHS)
Aerial Platform Operator
Telehandler/Skytrack operator
Forklift operator
FAI & HPAC Paraglider Pilot
Occupational First Aid 2
Firefighter Level 2 (NFPA 1001)
Leave no Trace Master Educator
Prudential Spirit of Community Award

Skills:

CAD technical drawings (Google Sketchup Pro 2018 and learning AutoCad).

Building Envelope design.
Mass timber structures design and joinery.
Sawmill operation and repairs.
MIG/TIG/ stick welding, forging, milling.
Radio Frequency machine specialist and extensive electrical wiring and basic electronic circuit boards building experience.
Competent tree faller.
Capable operator of excavators up to Cat 220 in size and CAT 277C skid steer on tracks

Work Experience:

1999-2007 Circus Performer/Rigger

2004-2007 Circus Teacher (Geneva, Switzerland)

2006 Parts manufacturing/testing at IAV automotive engineering (Internship in Berlin, Germany)

I learned how to weld, mill metal etc. I followed plans and made special parts for car prototypes and engines under test room settings. (www.iav.com)

2009-2011 Tree Climber, Arborist (East Coast USA)

2011 Carpentry (Block Island, RI USA)

Island Construction,

2012-2013 Maintenance staff (Quest University)

2013- now Self employed at Mountainscape wood productions

Private contracting, sawmilling, remote property development, ecologically conscious/integrated design building envelope/ heavy timber systems consulting.

2014-2015 Timber heaven millworks ltd. (Squamish B.C.)

Wood milling, Post and beam shelter, outdoor classroom design, Small house designs, google sketchup 3d designs and plans, Timber frames erections.

2014 Ski & Snowboard builder & co-founder at Sky Pilot Custom Ski Co.

I am a co-founder of a small start-up company that makes fully custom skis and boards in the Pacific Northwest. We started in Squamish B.C. And relocated to Bellingham Washington. I built a ski press and put together a 3 axis CNC with a vacuum table. Through ski making, I learned the basics about the functioning and programming of CNC's. I no longer own the company due to visa issues. The company is going through a re-branding. I have nothing to do with it anymore.

2015-2018 Fraserwood Industries, Glulam Quality Control Supervisor (Squamish B.C.)

Lumber sorting & grading, Quality control on glulams, glulam fabrication & finishing/squaring, Resaw operation, Sawmill planer operator, Radio frequency edge gluing, Hydraulic press operator. Machine maintenance and building, rebuilt an old 35KW Radio Frequency Gluing machine and many other systems.

2017 Cedar Coast Field Station, Director of construction and facilities (Vargas Island, Tofino).

Design and building of a remote property. Clearing land, access road, dock, renovation of old cabins, new platforms and future plan for the facility.

2015- now Remote “off grid” Property design and development (Squamish-Lillooet)
I purchased a steep densely forested lot on the side of Garibaldi provincial park on the outskirts of Squamish. I cleared the land myself, processed my trees on my sawmill to use as timbers for the main House. I put in a road, retaining rock walls, gravity sewage system, various water systems, two cabins and a full size solar array as well as a micro hydro system. I am currently finalizing the last things with the engineers on the main house I designed. A highly energy efficient home with only 6 thermal bridges (10”x24”) roof beams. The house is fully designed for the location based on sunlight, wind (Anabatic and Katabatic wind flow) and the shape of the land. It is a full post and beam with uninterrupted prefabricated walls and roofs.

2018-now Stunt Rigging

Volunteer Service:

Clayoquot Cleanup, Restore the shore (Hesquiat Harbor, BC)
6 days of remote beach cleanup.

Traditional Lumberjack (Switzerland)
Selective cutting (no motorized machinery), forest rehabilitation, planting, wetland protection. 42h a week.

Builder (High Mowing School Wilton, NH USA)
Built an extension onto school building, made 40 classroom tables and an automated bell tower. 320h

Student Worker (Copacabana, Bolivia)
Built a wooden playground for the kids. It was made to bring a center to the town and have a place where the kids can play in a safe and clean environment. I also taught them to make wooden toys and useful tools for young kids in a town like that.

Student Worker (Tuscon, AZ USA)
Planted trees and dug holes to make a “green”/ Natural road strip to enhance the city's waterways and bring a comfortable atmosphere to the people of that part of town.

Resident Assistant
Helped in the residences at High Mowing School.

References:

Philip Brooks (Creator of the first timber cutting machine in the USA)
Website: <http://www.brookspostandbeam.com/about/introduction-to-brooks>
Email: phil@spb Brooks.com
Phone: 603-654-9745

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