

## Professional Experience

### Meraki Design/Build, 2017-Present

Founder

- A cooperative network of independent designers/builders of custom furniture, built-ins, and renovations for residential and commercial clients in the San Francisco Bay Area with an emphasis on reclaimed and natural materials
- Developing an international portfolio of projects with an emphasis on homestead design/build utilizing permaculture and regenerative design concepts

### American Mining Claims, Sierra Nevada, CA, 2021

Mineral Exploration Consultant

- Documenting and exploring various mining claims throughout the Sierra Nevada and beyond
- Marketing claims to families and recreational hikers/miners/outdoorspeople to explore/learn California's geologic and mining history

### Living Water Ranch / Hope Architects and Builders, Grass Valley, CA, 2020

Project Coordinator, Carpenter, Ranch Hand

- Coordinated with county officials, contractors, subcontractors, laborers, and owner/builder on construction of 2000sqft residence featuring solar thermal and radiant floor heating as well as the reconstruction of an old ranch house
- Performed a variety of carpentry, electrical, and labor tasks as necessary for a 140-acre ranch in the process of reconstruction
- Ecological remediation work such as erosion/stormwater management and wildfire fuels reduction

### CBD Alive, Barley Hill Farms, Redway, CA, 2019

Lead Farmer, Engineering Consultant

- Practiced regenerative agricultural methods in the cultivation of medical-grade sungrown cannabis
- Troubleshooting and programming of robotic product dispensers and encapsulators and assisted in introduction of new medicinal products
- Assisted in design and construction of 2100sqft product processing facility

### Earthship Biotechure, Taos, NM, 2018

Build Crewmember

- Carpentry and concrete/adobe work for a 1600sqft Earthship-style private residence. Assisted in the design and construction of kitchen and bathroom cabinetry

### Open Source Ecology, Maysville, MO, 2016

Carpentry lead for the build of an off-grid "eco-home" featuring greywater recycling, hydronic heating, and aquaponics greenhouse

### Consultant, SF Bay Area, 2013-2016

- Product strategy and development for startups in the SF Bay Area
- Electronics manufacturing and prototyping with contract manufacturing partners in Guangzhou, China and SF Bay Area

**Tesla (then Tesla Motors), Palo Alto and Fremont, CA, 2011-2013**

Engineer, Project and Program Manager

- Field Service engineering and technical training projects and programs
- Diagnostics systems and HMI design for worldwide service symptom-based diagnostics

**AES Energy Storage, Arlington, VA, 2010-2011**

Smart Grid / EV Integration Engineer

- Designed interfaces for stationary grid charging infrastructure for electric vehicles

**Delco Remy, Pendleton, IN, 2010**

Controls Design/Test Engineer

- Designed test harnesses and programming interfaces for product durability and performance testing for hybrid electric motors

**Academic Experience**

BS, Electrical Engineering, Minor Economics, 2010

Rose-Hulman Institute of Technology, Terre Haute, IN

**Other Trainings/Experience**

- Nevada County Search and Rescue
- Wilderness First Responder, Sierra Rescue
- Governance Lab Fellowship, MIT Media Lab / NYU
- Homestead and Organic Farming Apprenticeship, Camp Joy Gardens, Boulder Creek CA
  - Management of all aspects of an organic homestead - transplanting, bed cultivation, orchard management, compost-making, animal husbandry, tooling repair, irrigation and groundskeeping, value-added products
- Volunteer, Free Farmstand Mission, San Francisco, CA
  - Collection, marketing, and distribution of free produce to low-income communities
- Tiny Home Build Volunteer, Saint Francis Homeless Challenge, San Francisco, CA
- 200hr Yoga Teacher Training, Purusha Yoga Studio, San Francisco CA
- Disaster Recovery Volunteer, Project Open Hand, Manila, Philippines
- Ecology Program Participant, Tamera Ecovillage, Portugal
  - Permaculture/Farming at a 300-acre site in central Portugal
- Co-housing Architectural Panelmember, California College of the Arts, San Francisco, CA
- Co-founder of three residential intentional communities/cooperatives in SF Bay Area