

Jason Patrick Edward Smith
11/30/1993 - XX/XX/2XXX [Gregorian]

CURRICULUM VITÆ, MMXXIV

"To touch with the hand of an animator..."

Lifelong Learner - Polymath - Craftsman - Innovator - Entrepreneur - Educator - Author - Scientist - Philosopher - Renaissance Man - Artisan - Designer - Homesteader - Wildcrafter - Mountaineer - Laboratory Technician - Consultant - Investor - Natural Resource Protector - Watershed Manager - Jus Soli

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"To be charged with the powers of nature..."

Smithwerks Creative Services

Independent, unincorporated, owner and operator (2016-present)

The fruit of my hands in my day

BOUNDARY CONDITIONS CONSULTANCY & DESIGNWORKS

Contractor, Worker, Supplier, Provider, Producer

(2018-present)

Description

Ecosystems Repair Specialist - Resilience Homestead Design - Ecology Technician

Work Skills

Surveying - Equipment (clinometer, laser level, etc) operation - Directing water retention & functional earthworks - Designing site specific regenerative agroecological plant communities - Energy systems development - Guided plant and mushroom walks - Customized education experience - Homestead design, urban & rural - Large scale & small, Cross-departmental government/public lands - Private site assessment - On & off grid - Best practices for management of wildland urban-interface (WUI) - Fire mitigation - Water harvesting - Pollinator habitat - Bio and myco remediation - Cartography (digital, analog, formal, creative) - Development & retrofitting of properties for holistic optimization - Integrated water access structure planning - Plant identification, habitat typing and forestry for inter-mountain cold climate ecotypes - Design & installation of forest garden systems - Engineering - Bushcraft

Wood Heat, Appropriate Technology, Rocket Mass Heaters, Masonry Stoves, Wood Stove Systems, Thermal Mass, Passive Solar, design & build.

Electromagnetism safety consultant - Measurement & mitigation strategies - RF frequency, min/max & avg up through 8 GHz - Electrosmog, pollution - Household grid-tied dirty lines - E+B Fields - Product research, evaluation, application - Radioactivity, time averages

Invention development, patent research; forestry mulching machines, EMF harmonizing artifacts

THE NORTHERN ROCKIES PERMACULTURE RESEARCH INSTITUTE

Founder, Groundskeeper, Researcher

(2019-present)

The Institute, a:

- non profit trust with the character of a school or church
- gift to the world

- vessel for exercising a panoply of multifaceted & variegated earth
- manifestation of a global vision for intergenerational world peace
- strategic maneuver

Mycology:

Small scale cultivation of gourmet and medicinal - tissue biopsy - cloning - agar media
 - natural culture for select coprophilic & saprobic species - log culture - BRF cakes -
 Fruiting blocks - Bag culture - Cased grain - Bulk substrates - bucket tek - composting
 - remediation

Laboratory Technician Skills:

Sterile technique - Soil sample preparation & Analysis - Grain transfers - Still air box -
 Laminar flow hood protocol - Fruiting room design and maintenance - Fresh air
 exchange/humidity systems - Liquid culture - Spore printing - Amateur Field
 Mycology - Intro DNA analysis

Volunteer Consulting Mycologist for North Idaho Poison Control (2021-present)

Microscopy (2020-present)

Brightfield & Shadowing

Soil microorganism survey & analysis - Pathogens - Documentation - Art - Human
 health biology - Textures & morphology - Biological materials evaluations

Cryodessication (2021-present)

Cleaning and maintenance of machine - Troubleshooting & problemsolving -
 Production of freeze-dried foodstuffs - Preparing samples - Preserving specimens

AGRICULTURE

Vegetables, fruits - On & Off Grid Experience - Irrigated & Dryland - Nursery
 Operations - Plant propagation from seed, cuttings, root divisions - Annuals,
 Perennials, Ground Covers, Forbes, Native, Naturalized, Useful & experimental
 species, Spores & spawn

Commercial Market Gardening (2018-2019)

Mulching - planting - transplanting - weeding - composting - manure shoveling - bed shaping - tilling - root cellaring - wheel barrowing - greenhousing - digging - transporting hay, manure, towing - feeding animals - predator control - watering - harvesting - cleaning - processing - seedsaving - fencing - etc.

Orchard establishment and maintenance (2018-present)

Tree work - planting - feeding - pruning - waste and mast disposal - irrigation - fruit thinning, picking, grading, processing - old/diseased tree removal - miscellaneous etc.
Note: NOT a licensed arborist and DOESNT do sketchy things involving cranes etc.

Urban reforestation plantings (2015), (2018-present)

Public fruit & nut tree gleaning & cleaning (2018-present)

Summer WWOOFing experience in Japan (2015), Australia (2018)

Flower farming for Ornamental arrangements, weddings, shop/office displays (2018)

WILDCRAFTING

Patch harvesting with harmonious ecological patterns of abundance & regeneration:
Non Timber Forest Products (NTFP)

- Berries, Herbs, Mushrooms, Seeds, Resins, Roots, Craftwoods, Boughs -

Seed collection Instruction, Idaho Fish and Game (2018-2019)

Seed gathering, Native Seed Foundation (2018)

People-Wildlife behavior education/monitoring, US Forest Service (2017-2019)

Monitoring and holding publicly accountable blatant malpractice on agencies parts

Salvage transplanting of trees and useful or rare plants in future-development zones

Niche identification & analysis, beneficial species seed distribution

Pacific Northwest Ethnobotany

APOTHECARY

Products description:

Custom home-scale kitchen chemistry batches made to order on annual basis, limited to seasonally available and preservation

Farmers markets in Kootenai & Boundary counties, custom mail orders (2018, 2020-21)

Herbal and root harvests and products - value-added medicinal processing - Oil infusions - Salves - Tea Mix - Decoctions - Alembic Distillation - hydrosols - Essential oils - Alcohol Distillation for Tincture - Soxhlet extraction - Colloidal metals

FOOD PRESERVATION

Management of living seedbank - Perennial food forest: by design crops stored in ground
- Passive and Active Dehydration systems - High acid - waterbath Canning - Low-acid

Pressure Canning - Continuously Managed & Renewed Fermentation Culture Library - Beets, Pickles, Kimchi (2015- present), Mead (2016-present), Vinegar

AVIATION

Unmanned Aircraft Systems (UAS):
Owner & operator (2018-present)

Surveying - Property inspections - Real Estate - Hobby - Wildlands management - Terrain exploration - Crop scouting/evaluation - Project documentation - Base map preparation - Orthomosaics - Fire fighting - Pollution control

Equipment used: DJI Phantom 4 Pro, Mavic 2 Pro
Naples Elementary School presentation:
"Using Drones for Regenerative Land Management" (2018)

SMITHWERKS CREATIVE STUDIOS

Stop Motion Animation *L'animateur!!*

Storyboard - Clay - Armature - Puppet - Abstract - Technical - Replacement frame - Synthetic & Natural materials - Set making - Rigging - Post production - Creative Development - Film review

"Scorned by Fate" KRSFF Film Festival - Best Animated Short (2014)
"Elements of Simplicity" - Best Animated Short, Best Overall Film (2015)
Contribution to StopmotionAnimation.com international collaboration "Stopmo Jam"
1 (2016), 2 (2017) and 3 (2021) 4 (2022)
Instructor of Saturday Academy Stop Motion Animation Classes (2016)
Video Prelude for Shakespeare Drama Production "The Tempest" (2011)
Invited Talk to TSRR Friday Time noon Series: "What is Animation?" (2011)

Videography

DVD video filming and editing - Production for Online crowd funding Platforms (kick-starter, Gofundme, etc) - Online video streaming (Youtube, Vimeo, etc) - Aids for Special Presentations (Powerpoints, Award Ceremonies)

Photography

Documentation, Project Photos, Portrait, Senior, Wildlife
Equipment used: DSLR, Canon 5D MK III, 24-70mm, 70-200mm, Nikon d5200

Live Action Puppetry and Puppet Theatre

Character design, storyboarding and stories adaptation, concept development, drawings and technical drawings

Wood working skills - workshop design, woodcarving and sculpting
Hand tools, table saw, band saw, scroll saw, drill press, Dremel, belt sander
Restoring, re-grinding and re-finishing old tools, honing razor sharp edges

Styles: table top, hand/glove, rod, marionettes
Tinkering, configuring rod and string controls
Leatherwork, tongue & groove, wooden ball joints
Miniature design and engineering using wires, springs, strings
Retrofitting random old stuff

Mobile Pop Up Puppet theater (2024)

Music

Select multi-instrument solo albums:
Price of freedom (2013)
Reflections of Childhood (2015)
The Idaho Mountain Suite (2017)

Chamber Singers Tenor Section leader (2011-2012)
Trinity School, Eagan MN State Competition, categories in Small Ensemble and Choir
40/40 rating (2011-2012)
University of Portland Wind Symphony, Percussion Section (2012-2013)

INDEPENDENT CONTRACTING

Homeowner and Homestead scale: Firewood cutting, selective thinning, woods work, Carpentry, plumbing, solar system electric, Snow removal, Lawn mowing, Landscaping, Miscellaneous work trade arrangements, proverbial "Grunt Labor"

MACHINERY:

Experience operating: 16 Ton excavator, 2 Ton Tractor, Mini-excavator, School bus, Basic MIG Welder

The establishment of private trusts/development of private trust meta-network webs

PUBLICATIONS

Books

Syntheses & Analytics Volume I (267 p) (ISBN 978-1-7363477-0-6)	(Published 2020)
Syntheses & Analytics Volume II (355 p) (ISBN 978-1-7363477-1-3)	(Published 2020)

Articles

Boundary Conditions Annual Solstice Newsletter	(2018-present)
Contributing Author, journal, newsletter articles	
Inland Northwest Permaculture Guild, Inland Foodwise Online	(2017)
Homestead Journal	(2021)
Blogs	(2016-present)

EDUCATOR

Some Example Classes:
Physics, Mathematics, Animation, Philosophy, Permaculture: Designing Forest Gardens - Intro to Electromagnetism & EMF mitigation - Fractal Dynamics - Wildcrafting Tools & Techniques - Fermentation

Classroom

Semester long-Physics lab teacher	(2013-2016)
Position description: Guiding science, engineering and pre-med students ranging freshman-senior years through experiments on topics including Classical Mechanics, Electromagnetism, Optics, etc. Homework and examination review, supplemental lecture, open	

office lab hours

Biology Lab & Life Sciences Hall Staff,

OMSI (Oregon Museum of Science and Industry) (2014-2015)

Position description: answering questions to public, maintaining order in the lab, feeding the animals, putting on displays, working on a team

Saturday Academy Staff (2015-2016)

Position description: Instructor, afterschool classes for students grades 2-12, based in inspiring wonder in mathematics and science to middle schoolers

Private Tutoring: (2013-Present)

Critical thinking, College prep, Introductory college level natural sciences, Mathematics, Physics, Chemistry, Biology, Standardized tests, Language

Positions in education outside the classroom:

Skills Instructor (Knots, fire making, wilderness survival, etc) (2005-2012)

Adult Leader Merit Badge Counselor (2017)

Youth Protection Training (2016-present)

First Hunt Foundation Volunteer Mentor (2022-present)

Writing Center Tutor

PDX Roosevelt High School (2012-2013)

PDX UP CAS Writing Center (2014-2016)

Critical review, feedback for students drafting resumes, applications, essays, assignments, grants, written funding requests, prose, etc, for sound meaning, logical consistency and grammatical coherence

Independent writing contractor (2016-present)

Ads, posters, grant writing/review, client based projects

Competition Judging

Fall STEM Nights, Physics Demonstration table (2013-2016)

North Portland 5th-8th grade Spring Science Fair, Holy Cross Schools (2014-2015)

International Permaculture Magazine Prize For Youth (2019-2020)

Reviewing applicants, coordinating with a team, deliberating prize distribution

EDUCATION & SCHOOLING

Note: voracious internally motivated life long learner

Most recently:

A couple years of concerted effort in independent study concerning...
Equity jurisprudence and trust, being a competent trustee, common law, commercial contract law, status, standing, jurisdiction, executorship over estates, executing instruments, private banking, financial instruments and financing statements, citizenship, nationality, public vs private, equity vs "At Law", Titles, ownership, rights, etc.

International Education:
Jerusalem, Israel (2010)
IES Beijing, China (2013)
Sophia University, Tokyo, Japan (2015)
Permaculture Research Institute, New South Wales, Australia (2018)

College Degrees:

Bachelor of Science, Physics (2016)
Minor in Mathematics University of Portland;
Deans List Recipient (2013-2016)
Physics Department Student Led Advisory Council Representative (2014-2015)

Normandale Community College, Bloomington MN (2014)
University of Minnesota, Minneapolis, MN (2014)

Bachelor of Arts, Philosophy (2016)
4.0 GPA, Phi Sigma Tau National Honor Society
Philosophy Club President (2013-2016)
Activities: fundraising, lobbying, organizing meetings, field trips, recruitment, speakers, movie nights, leading discussion
Agora Award for Leadership (2016)
Pacific University National Philosophy Conference
Attendee/Chair of Session (2013-2016/2015)

COMPUTER SKILLS

LaTeX- Adobe Creative Suite - Dragonframe - Logger Pro - Mathematica - Matlab -
Microsoft Suite - Touplite - Wordpress - Learning: Linux, GIS
Clark Library, Portland OR, Digital Technologies Lab Guide (2014-2015)
Activities: Renting out and training in use of; Photography Studio, Music Recording Studio, 3D Printer, Scanners, Photograph Printing, Lightroom, Videocams, micro-

phones & accessories Rental, Software Workshops

SPONSORSHIPS & ENDORSEMENTS

President’s Scholarship, UP (2012-16)
Scholarship to Study In Japan (2015)
Abundant Earth Foundation tuition to attend Global Earth Repair (2019)

ADMINISTRATIVE

Program Scheduler for UP CAS Writing Center (2015-2016)
Inland Northwest Permaculture Guild Board Member:
Adviser/contributor on organizing committee Board member (2016-present)
Officer of Treasurer, Secretary, Registered Agent (2020-2023)
WA state registered Nonprofit Corporation maintenance and upkeep

OTHER EXPERIENCE

Licensed Real Estate Agent (2017-2019)
Idaho Real Estate Commission, License # 46272

Consumer Products Marketing Consultant
Food Industry product trial & critical evaluation, Bloomington, MN (2008-2011)

OTHER CERTIFICATIONS

Master Gardener, University of Idaho Extension (2017-present)
International Master Gardener Conference (2017)
Red Cross - Remote Wilderness First Aid (2017)
Panhandle SEEP: Sediment and Erosion Prevention/Control (2018-2021)
Master Naturalist (Idaho Fish and Game) (2018-present)
Master Forest Steward (UI, College of Natural Resources) (2018-present)
Master Water Steward (University of Idaho) (2019-present)

OTHER AWARDS AND DISTINCTIONS

Boy Scouts of America - Eagle Scout (Board of Review 2012)

OTHER VOLUNTEER

City of Bonners Ferry Bureau of Tourism, visitor center staff (2017-2019)
Informing visitors of local resources and opportunities - Answering questions - Logging
tourism data - Attending meetings - Coordinating with city personnel

Urban Ecology: Trail Repairing, weed pulling, wildlife habitat restoration
 Portland Parks and Recreation (2015)
 Woodlake Nature Center (2011)
 Boundary Community Hospital (2017-2020)
 Friends of Trees (PDX) - Tree planting in urban Neighborhoods (2015)
 Manual removal of invasive species in MN, OR, ID (2006-09), (2014), (2017-present)
 College Ecology Club - Beach clean ups, Riverfest (2012-13)

Community Gardens, rental, usage and development
 Portland OR, Sandpoint, ID, Bonners Ferry ID (2014-15) (2017-present)
 St Andre Bessette Food Kitchen, downtown PDX: food service to homeless (2013-14)

Public Lands Stewardship, Garbage and Road/Trail Clean Up
 North Shore Lake Superior Hiking Trail (2010-2016)
 Kaniksu+Kootenai National Forests (2016-present)
 Community Kitchen; Campouts, Convergences, Barter Faires (2017-2019)

OTHER INTERESTS

PDX KDUP Broadcasting Station, Radio Philosophy Talk Show,
 "The Contemplation Station" (2015-2016)
 Live streaming radio show program, The Real Animatron (2023-present)
 -Running Open Broadcaster Software, managing multi-video/audio input tracks

MEMBERSHIPS

Bonsai Society of Portland (2015-2016)
 Native Plant Society Landscape Consulting Committee (2019-present)
 Co-chair, Landscaping Committee, Kinnickinnick NPS, Sandpoint ID (2022)
 Master Gardener Consulting Hotline, Bonner County Extension (2017)
 Ducks Unlimited (2018-present)
 Western Watershed Projects (2021-present)
 Society for Ecological Restoration (2021-present)
 World Permaculture Association (2021-present)
 Permaculture Institute of North America (2021-present)
 North American Mycological Association (2021-present)

Further information available upon request.

See other documents on websites like product catalog.

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Living man, and "fun guy"