SUMMARY

Compulsively creative, I love to learn new skills with every project - whether I'm writing code, knitting cephalopods or building blacklight art installations. Visions of the future and accelerating technological change excite me. I am logical, rational, meticulous and methodical, yet highly communicative and deeply empathetic.

PROJECTS

Swift Fox Tech Scheduler - Technician scheduling module which manages ISP technician work schedules and service call bookings
Node.js, Express, jQuery, HTML/CSS, Bootstrap, MySQL

Operation Thunderbird - Data analysis and visualization of classroom occupancy data for UBC Facilities Planning and Sensible Building Science
Ruby on Rails, JavaScript, jQuery, HTML/CSS, Bulma, Highcharts, Postgres, Sidekiq

ShareGarden - "Airbnb for gardens": connecting people with garden space who lack time, energy or expertise with people who would love to garden but have no space to do it
Ruby on Sinatra, JavaScript, jQuery, HTML/CSS, Bootstrap, sqlite3

Rotten Mangoes - Movie review website inspired by Rotten Tomatoes
Ruby on Rails, HTML/CSS, Bulma, sqlite3

Min Oscillations - Computation, visualization and analysis of reaction-diffusion equations for Dalhousie Physics Department
C, Bash

SKILLS

JavaScript, Ruby, Java, C, Python

Node.js, Express, Rails, Sinatra

Bootstrap, Bulma, jQuery, HTML/CSS

SQL, MySQL, Postgres, sqlite3

Vector calculus, differential equations, statistics, linear algebra

Computational physics, experimental physics, quantum mechanics, electricity & magnetism, environmental physics

WORK HISTORY

Junior Software Developer
Aug 2016 - Nov 2016
Swift Fox, Vancouver BC

Gathered requirements, wrote functional spec and built standalone functional prototype for technician scheduling module using Node.js, Express, MySQL

Logistics & Inventory Coordinator
Aug 2014 - Feb 2016
JRM Crystal Chandelier, Vancouver, BC

Tracked inventory, analyzed stock and price data
Created and maintained extensive process manual for my role

Jessica Peters
Junior Software Developer

EDUCATION

Web Development Bootcamp
Full Stack Web Developer
Lighthouse Labs
2016

Diploma of Technology in Environmental Protection
Environmental Protection Technologist
Kwantlen Polytechnic University
2011

Bachelor of Science in Physics
Computer Science I & II - Java, OOP, algorithms, data structures
Computational Methods in Physics - Python
Dalhousie University
2007

INTERESTS

Camping

Dancing

Knitting

Clothing design

CONTACT

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github.com/fullerenedream
@fullerenedream

PDF VERSION

Environmental Logistics Technologist
Jul 2013 - Jun 2014

AGAT Laboratories, Burnaby, BC

Improved OSS by creating list of user interface problems and solutions for development team
Curated environmental sample and results database
Prioritized and assigned analyses to incoming samples

Ground Water Scientist
Jan 2012 - May 2012

Environment Canada, Vancouver, BC

Responsible for quality monitoring of Abbotsford-Sumas Aquifer
Operated datasonde and multilevel dialysis-cell samplers
Conducted QA/QC of analytical results

Administrative Assistant (Working Holiday Abroad)
Aug 2010 - Sep 2010

Insureware, Melbourne, Australia

Tested new version of Insureware's flagship actuarial software
Maintained company website with Dreamweaver and WinSCP
Edited HTML content and matching PDFs for emails

Experimental Physics Research Assistant
May 2007 - Aug 2007

Dalhousie University Physics Department, Halifax, NS

Installed pressurized laboratory gas piping
Prepared ultra-high vacuum chamber for experiments
Co-authored article on pattern formation in excitable media for educational journal

Computational Physics Research Assistant
May 2006 - Aug 2006

Dalhousie University Physics Department, Halifax, NS

Programmed in C in a Linux environment:
Modified existing codebase from previous scientist simulating E.coli cell with protein reactions related to cell division
Produced original research results using computational modelling