

## 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, Sideiq

**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

## RELEVANT WORK EXPERIENCE

### Junior Software Developer

Swift Fox, Vancouver BC

Aug 2016 - Nov 2016

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

### Computational Physics Research Assistant

Dalhousie University Physics Department, Halifax, NS

May 2006 - Aug 2006

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



## 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

 fullerenedream@gmail.com

 778 926 5622

 jessicapeters.ca

 github.com/fullerenedream

 linkedin.com/in/fullerenedream

 @fullerenedream

### PDF VERSION





## ADDITIONAL WORK EXPERIENCE

### 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

### 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

### 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

### 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

### 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