

Stef Dunlap

(she/her)



Programmer

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GitHub

[motevets](#)

Mastodon

kindrobot@tiny.tilde.website

Stack Overflow

[kindrobot](#)

Wikipedia

[Motevets](#)

LinkedIn

[theyellowdart](#)

Education

Purdue University

2009-01 - 2012-05

Bachelor of Science

Computer & Information Science

GPA: 3.9

Summary

Stef is a freshly minted Canadian permanent resident with a love of teaching, smiling, and programming. She's available for sponsor free work in Canada and the US. Stef enjoys intentional community, software as art, and making things with her hands (and 3D printer.)

Work

Focal Point NDE Technologies

2022-09 - Present

Computer System Analyst

Focal Point along with its sister company UTEX, make software that inspects assembled parts using nondestructive examination technologies (e.g. ultrasound, radiography, eddy currents) and identifies defects before they are put into production.

- Implemented testing framework and CI for a legacy C++ application
- Coached Agile methodologies
- Migrated team to git version control, and taught git workflows
- Organized hiring effort, and coordinated hiring of two engineers

[C++](#) [Windows devops](#) [hardware](#) [git](#) [hiring](#) [testing](#) [CI/CD](#)

Chisel AI

2022-01 - 2022-08

Manager of Software Development

Led team of five engineers building machine learning application which extracts insurance data from policies, quotes, and binders to eliminate errors and omissions.

[management](#) [Agile coaching](#) [machine learning](#) [AWS lambdas](#) [Comprehend](#) [Rekognition](#)
[CloudWatch](#) [Textract](#)

Pivotal Software

2017-02 - 2019-12

Engineering Manager, Pivotal Software

Led team of seven engineers across multiple projects related to authorization, automated infrastructure deployment, and user onboarding.

[Ruby-on-Rails](#) [cloud infrastructure](#) [Linux devops](#) [Kubernetes](#) [Docker](#) [React.JS](#) [Golang](#)
[eXtreme Programming](#) [paired programming](#) [CI/CD](#)

KiwiDonut LLP.

2016-04 - 2017-01

Founder

Led a team of engineers consulting on Node.js API for integrating a front-end with a cloud contract signing service and land management application

[management](#) [teaching](#) [React.JS](#) [Node.JS](#) [test driven development](#) [Agile coaching](#)

Skills

Web Development

Master

React.JS Node.JS JavaScript

Golang CSS Ruby-on-Rails

JAM Stack SQL PHP

static site generation

Linux DevOps

Advanced

Linux Docker Git CI/CD

Kubernetes automation

Extreme Programing

Advanced

pair programming

Agile planning

short feedback loops

Desktop Programming

Proficient

Golang C/C++ Rust

Machine Learning

Familiar

neural networks

computer vision OpenCV

Tensorflow

Languages

 English

Native speaker

 German

Proficient

 French

Intermediate

Interests

Making

recreational programming

3D printing self-hosting

paper craft

Intentional community

pubnixes volunteering

service hosting

Pivotal Labs

2015-04 - 2016-04

Senior Software Engineer

Lead engineer of the Pivotal Cloud Foundry Billing and Account Management team

teaching Ruby-on-Rails JavaScript CI/CD API design eXtreme Programming

paired programming SQL

Independent Contractor

2014-02 - 2015-02

Software Engineering Consultant

Designing, programming, and testing APIs while teaching co-workers test driven development.

teaching Ruby-on-Rails PHP JavaScript Node.JS test driven development

Roadtrippers

2013-01 - 2014-01

Software Developer

Back end Ruby on Rails and dev-ops developer for successful travel planning start-up in Cincinnati.

- Created and maintained cloud infrastructure automation
- Orchestrated code and data migration from MongoDB to PostGIS

Ruby-on-Rails test driven development JavaScript SQL mongoDB PostGIS

Linux devops

MediaFuel

2011-01 - 2012-08

Web developer

Linux devops PHP SQL JavaScript

Ransburg Scout Reservation

2005-05 - 2012-08

Technology Consultant

Seasonal summer work developing and maintaining applications and infrastructure for camp operations

Java PHP SQL Windows devops

Volunteer

Black Girls Code

2018-06-15 - Present

Instructor

not-for-profit organization that focuses on providing technology education for African-American girls

teaching mentoring robot SDKs game development JavaScript

Projects

Springboard

2022-05 - 2022-07

<https://firehose.kindrobot.ca>

A Spring83 client

- Client for new experimental social web protocol
- Delivered feedback for future protocol improvements

Cryptography Golang API Design Web service federation

Mintwise

2019-12 - 2020-06

<https://tilde.town/~kindrobot/post/mintwise/>

Bridges transaction data from Mint into Splitwise

- Let's user select with transactions within a period are splittable
- Automatically populates Splitwise transactions

Node.JS CLI application ETL API integration

Puter Colour Picker

2021-06 - 2022-06

<https://chez.kindrobot.ca/puter.html>

API/website to set the colour of the computer in my office

- Fun, interactive, social IoT application
- Implements API and networking security best practices
- Uses microservices to minimize downtime with e.g. restarting computer

Hardware IoT Golang

piepi.art | 🥧π.to

2022-04 - Present

<https://piepi.art>

A small pubnix / zine project on a Raspberry Pi

- Social, creative pubnix (public unix service)
- Hardenend network security minimizes risk of self-hosting

Raspberry Pi SBC Linux server administration creative writing

Hexaflexago

2016-06 - 2017-05

<https://tilde.town/~kindrobot/post/hexaflexago/>

A hexaflexagon template generator

SVG React.JS paper craft

 Awards

Eagle Scout

2007-06

Boy Scouts of America

Highest rank awarded to youth members

Gersting Award

2012-04

Purdue University, Indianapolis

Highest honor given to graduating student in Computer Science program

Staff Member of the Year

2006-08

Ransburg Scout Reservation