

# Stef Dunlap

(she/her)



## Programmer

hello@kindrobot.ca  
+1 647 657 7076

1710-10 Navy Wharf Court  
Toronto, Ontario, M5V 3V2  
CA



kindrowboat



kindrobot@tiny.tilde.website



kindrobot



KindRowboat



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

### Wikimedia Foundation

2022-09 - Present

#### Staff Software Engineer in Test

Working as part of the Quality and Test Engineering team to transform how teams automate their software testing leveraging Kubernetes for quick, reliable, reproducible test environments.

- helped Abstract Wikipedia team ship Wikifunctions with confidence
- made tool to solve ticket open since 2005 around sorting

Special:WhatLinksHere

kubernetes PHP Mediawiki helm testing CI/CD

### Focal Point NDE Technologies

2020-09 - 2022-04

#### 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

2020-01 - 2020-08

#### 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

# 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

## 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

## 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

## 🔦 Interests

### Making

recreational programming

3D printing self-hosting

paper craft

### Intentional community

pubnixes volunteering

service hosting

## 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