


Stef Dunlap



Programmer

hello@kindrobot.ca
+1 647 657 7076

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

 **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 automated 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

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.

- Worked with AWS lambdas, Comprehend, Rekognition, CloudWatch, and Textract
- Collaborated with data scientist to propose experiments and analyse results for Natural Language Processing (NLP), Named Entity Recognition (NER), and Computer Visions (CV) / Image Recognition approaches.

Pivotal Software

2017-02 - 2019-12

Engineering Manager, Pivotal Software

- Led team of seven engineers across multiple projects.
- Pair programmed with teams creating cloud platform automation software using React.js, Ruby on Rails, BASH, and Go.
- Delivered sophisticated PCI compliant role based access control (RBAC) using OAuth with plugable, bring-your-own identity provider (SAML or LDAP)

Skills

Web Development

Master

Javascript React.JS Node.JS

Golang CSS Ruby-on-Rails

JAM Stack SQL SSG PHP

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

Self-hosting

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
- Created React.js front-end for land inventory management application
- Taught TDD, agile planning, and extreme programming to client engineers and novice engineers

Pivotal Labs

2015-04 - 2016-04

Senior Software Engineer

- Lead engineer of the Pivotal Cloud Foundry Billing and Account Management team
- Taught Ruby on Rails, agile planning, test driven development, extreme programming methodologies to new engineers

Independent Contractor

2014-02 - 2015-02

Software Engineering Consultant

- Programmed Ruby on Rails business tier for health care billing and electronic record tracking
- Instructed and coached test driven development
- Acted as liaison between national offices and integrating disparate technology of merged companies in Cincinnati, OH and Phoenix, AZ.

Independent Contractor

2014-02 - 2015-02

Software Engineering Consultant

- Programmed Ruby on Rails business tier for health care billing and electronic record tracking
- Instructed and coached test driven development
- Acted as liaison between national offices and integrating disparate technology of merged companies in Cincinnati, OH and Phoenix, AZ.

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 migration from MongoDB to PostGIS including data move, and ODM/ORM code replacement

MediaFuel

2011-01 - 2012-08

Web developer

- Dev-ops Linux server administration
- MySQL database administration
- PHP business tier development

Ransburg Scout Reservation

2005-05 - 2012-08

Technology Consultant

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

- PostgreSQL database administration
- Network administration
- Hardware deployment



Volunteer

Black Girls Code

2018-06-15 - Present

Instructor

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

- robot SDKs
- game development
- Javascript

Projects

Springboard

2022-05 - 2022-07

spring83.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.tow/~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

 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