Sin Richard
modern web developer

education
Bachelor of Science
UNIVERSITY OF WATERLOO
Hounours Co-op Physics
Waterloo, ON
April 2017

connect
+1 (226) 600 4161
richard.sin@uwaterloo.ca

4593 Park St
Niagara Falls, ON
L2E 3V6

links
Github:sinr0202
LinkedIn:kimchirichie
Ref:ref.kimchirichie.com

i speak
♥Ruby, JavaScipt
Python, PHP
SQL, CSS
+

i use
Rails, Django
AngularJS, jQuery
+ CoffeeScript
Bootstrap
AWS S3, CloudFront

i fancy
Git, Mercurial
Linux, TDD
RESTful API
RegEx, Ajax
Trello, Slack
&& SQUID

i byte
JSON, XML
Haml/Yaml

highlights

- **Highly motivated** individual, ready to crush tasks; References provided
- Deeply involved in the startup scene, **founded and lead a team of seven**
- Modern developer **using latest tools** to bring bleeding edge solutions
- Passionate about open source projects and **actively involved**
- Desire to learn more, coupled with **great aptitude**

experiences

Leafii [2016]
Co-founder Kitchener, ON
Leading a team of seven, we created a personal website search engine. I set goals, assigned tasks to individuals, and oversaw the entire product development.

- Presented powerful **pitches to investors**, and competed in competitions
- Assigned tasks for individuals and co-ordinated product development
- Using customer feedback, iterated the **business model canvas** repeatedly
- Took business advice from senior entrepreneur mentors

Filmocrats [2015]
Rails Developer Toronto, ON
From research to release, I built core technology of Filmocrats with the CTO. Within two months of conceiving the design, our alpha product was released.

- **Proposed and designed** new streaming logic over former using HLS
- Adapted TDD for modular, and maintainable code using RSpec
- Developed **one-page-app** using AngularJS with CoffeeScript
- Protected proprietary data by delivering content with AWS key signing

Empress Effects [2014]
Database Designer Kanata, ON
I designed a full scale inventory database. Elaborate planning made it possible to cut development time significantly.

- Designed an entire database schema using **ERD charts**
- Preserved data integrity using **key constraints**
- **Tested** all functionalities using PHPunit
- Optimized performance of queries using **materialized views**
- Documented specifications of all PHP code using Doxygen
- Cached data for efficency using mySQL triggers

UW Science Computing [2014]
Django Developer Waterloo, ON
Worked to automate exam marking process. Picked up everything including, linux, MVC, and ajax.

- Designed a user interactive module for **data analysis** system, using canvas
- Constructed **dynamic parameter API** using routes
- Integrated frontend application with backend API using Ajax
- Maintained SQL database using Django **ORM**

Science Fair In a Box [2014]
PHP Developer Waterloo, ON
Employed to extend the project, I maintained the backend of an existing server

- Developed using open source tools on linux
- Fixed errors in pre-existing PHP code
- Integrated new features into existing project