Richard Sin

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EDUCATION

UNIVERSITY OF WATERLOO
B.Sc. Honours Co-op Physics
April 2017 | Waterloo, Canada

LINKS

Github:// **kimchirichie**
LinkedIn:// **kimchirichie**
Instagram:// **kimchirichie**

COURSEWORK

CS
Abstraction
Modulation
Testing

MATH
Statistics
Linear Algebra
Vector Calculus
Differential Calculus

LAB
Scientific Analysis
Data Modeling
Digital Data
Reporting

PHYSICS
Hamiltonian Mech.
Quantum Mech.
Relativity
Electronics
Quantum Computing
Astrophysics

SKILLS

KEYWORDS
Meteor • Rails • Django
React • AngularJS • jQuery
Bootstrap • Skeleton • Sass
Linux • AWS • Linode
Apache • Nginx
Git • Mercurial • RegEx
Kanban •Trello • Slack
TDD • RESTful API • MVP

HIGHLIGHTS

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

EXPERIENCES

ROOFR (CANADA) | Computer System Analyst
Feb 2018 – Present | Toronto
"Studying structure of company computer systems to optimize technicals"

- Tested multiple landing pages. Statistically discovered the most effective design
- Increased marketplace supply of contractors by introducing freemium software
- Organized systematic project development work flow using Kanban board

DOWDELL | Computer System Analyst
May 2017 – Feb 2018 | Markham
"Effectively saved a dying company from disastrous outcome."

- Implemented a project version control system to sync & protect project code
- Segregated production server from staging server to increase uptime
- Modularized proprietary code to increase code coherence & simplicity
- Remotely worked for the entire duration

LEAFII | Co-Founder
May 2016 – Aug 2016 | Kitchener
"Lead a team of seven. Gained leadership experience & learned the business model development process."

- Delivered powerful pitches to investors with iterated pitch decks
- Oversaw entire product development & assigned tasks for individuals
- Repeatedly iterated the business model canvas using customer feedback
- Sought business mentors for their advice & wisdom

FILMOCRATS | Rails Developer
Jan 2015 – April 2015 | Toronto
"Built MVP product to ship within two months within conception."

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

EMPRESS EFFECTS | Database Engineer
Sept 2014 – Dec 2014 | Ottawa
"Designed a massive inventory database. Learned elaborate blueprint significantly reduces development time."

- 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