

Hirathanan Subenderan

3B Computer Science | hsubende@uwaterloo.ca | (647)-786-4641

SKILLS

PROGRAMMING

Languages:

Python • C++ • Java
R • C • JavaScript • Scala

Frameworks/Tools:

Flask • AngularJS • NodeJS
ExpressJS • HTML • CSS

Experience with:

Git • Mercurial • SQL
ZeroMQ • Gulp • Bash

CS Interests

Systems Design • Scalability
Data Structures • Algorithms
Hashing • Security • Databases

EDUCATION

UNIVERSITY OF WATERLOO

BACHELOR OF COMPUTER SCIENCE

MINOR IN STATISTICS

Graduating Apr 2020 | Waterloo, ON

UNDERGRADUATE

Operating Systems
Algorithms
Data Structures
Object Oriented Programming
Introduction to Compilers
Functional Programming
Digital Logic
Logic and Computation

LINKS

github.com/hirathanan
linkedin.com/in/hirathanans

INTERESTS

Personal Finance
Investments and Stocks
Mechanics and Components of a Car
Sports and Physical Fitness
Basketball Intramural Champs (Spr 2017)

EXPERIENCE

ESENTIRE | SOFTWARE DEVELOPER CO-OP

Computer Network and Security

January 2017 – May 2017 | Cambridge, ON

- Built a scalable replacement to a security policy management system including designing, implementing, maintaining and documenting it
- Created a Python & Debian Package for quick installation onto an internal sensor and deployed it using Gunicorn and NGINX to automatically run, configure, and manage the system
- Took ownership of the project while coordinating with Product Designers and downstream users in accurately creating system to satisfy all use case requirements
- Technologies included Python, Flask, SwaggerUI, PostgreSQL, ZeroMQ and Linux

IMAGINE COMMUNICATIONS | FULL STACK WEB DEVELOPER CO-OP

Broadcast Media Technology

April 2016 – Aug 2016 | Waterloo, ON

- Implemented REST API endpoints for transferring meta-data consisting of images, text, and media
- Developed a Graphics Editing Tool implementing and maintaining features for editing images, videos, and audio on a canvas
- Designed a Sales Tool allowing marketers to streamline processes to improve the productivity of marketing employees
- Worked with a Software-as-a-Service startup, Boltmade (Acquired By Shopify), building a Content Management software for IBC2016
- Technologies included TypeScript, AngularJS, C#, HTML and CSS

PROJECTS

TWELPER | NODEJS, REACT-NATIVE, YELP AND UBER API

Feb 2017 | QHacks

askfortwelp.com | github.com/hirathanan/Twelper

A mobile app that helps tourists discover exciting destinations in a new city by planning the optimal trip destinations and route

PICME | NODEJS, EXPRESSJS, REACT-NATIVE, MONGODB

Jan 2017 | ConUHacks

github.com/hirathanan/picme

An app for users to create events and upload photos to those events to be compared to one another. Other users can then join their event to see the entries and vote on their favourite. When time's up, the results are calculated and a winner is revealed!

YELLOWPAGES WEB SCRAPER | PYTHON, FLASK, HTML5, CSS3

Personal Project

A web application which scrapes data from crawling a YellowPages search and organizes the data by allowing users to filter according to name, distance from input location, and rating of each organization