Dongfeng Gu

Personal website: http://blog.gdf.name

303 - 8788 Ackroyd Road,
Richmond, BC, V6X1B5,
Canada
+1 (613) 854-9198
gudongfeng@outlook.com

EXPERIENCE

Amazon, Vancouver, BC - Software Development Engineer

NOVEMBER 2017 - PRESENT

University of Ottawa, Ottawa, ON — *Teaching Assistant*

SEPTEMBER 2016 - DECEMBER 2016

- Held a Lab section to teach C++

- Held an office hour to answer students' questions

- Marked the student assignments

- Marked the student midterm exam

- Proctored midterm and final exam

Talk With Sam! Ltd, Chapel Hill, NC — *Technical Co Founder*

APRIL 2015 - JANUARY 2017

- Designed and implemented a RESTful API server using Ruby On Rails

- Managed the project and distributed development jobs using Trello

- Used Github for version control and deployed the server using Heroku

- Cooperated with the front end developers and finished the IOS App

University of Ottawa, Ottawa, ON — *Research Assistant*

SEPTEMBER 2015 - SEPTEMBER 2017

- Implemented a bidirectional LSTM neural network using TensorFlow

- Integrated a background subtraction algorithm to a project using OpenCV

- Contributed to an annotation public project on Github

- Combined OpenTLD tracker with a people detection algorithm for pedestrian tracking

EDUCATION

University of Ottawa, Ottawa, ON — *Master of Computer Science*

Sep 2015 - Sep 2017

- Specified in action detection using neural network (RNN)

- Supervised by Robert Laganière focusing on computer vision

SKILLS

LANGUAGES

Proficient in

Familiar with

Carleton University, Ottawa, ON — *Bachelor of Computer Science*

2012 - 2015

– GPA 10.28/12 (Letter grade equivalent to A–)

– Math minor GPA 11.20/12 (Letter grade equivalent to A)

Chongqing University, Chongqing, China — *Bachelor of Software Engineering*

2010 - 2012

– Grade 84/100 (Letter grade equivalent to A–)

– First year and second year

PROJECTS

Wordpress websites

– Built three websites using wordpress

– Personal blog (www.gdf.name)

– Early childhood institutions (www.mamituojiao.com)

– SPA in Ottawa (www.sis2spa.com)

TAGS: wordpress, PHP

API server for an IOS app

– Implemented the server using Ruby on Rails

– Used Github for version control

– Used Trello for project management

– Deployed the project using Heroku

TAGS: Heroku, Github, Trello, Ruby, Rails

King and Things (Board Game)

– Implemented a desktop game using Qt Creator and C++

– Designed different functions for over 100 characters

– Assigned different characteristics for different maps in the game

TAGS: C++, QT

Computer vision annotation

– Contributed to the public annotation program on Github

– Refactored the tracker function code in the project

– Imported/exported the annotation file by XML

– Added the action type to the annotation frame

TAGS: OpenCV, C++