

# Dongfeng Gu

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

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## 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, Ottawa, ON — 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](http://www.gdf.name))
- Early childhood institutions ([www.mamituojiao.com](http://www.mamituojiao.com))
- SPA in Ottawa ([www.sis2spa.com](http://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++