

Dongfeng Gu

Personal projects: <https://www.gdf.name/project>

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EXPERIENCE

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

SEPTEMBER 2016 - PRESENT

- 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 - PRESENT

- 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*

JULY 2014 - PRESENT

- 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*

2015 - 2017

- Specified in action detection using neural network (RNN)
- Supervised by Robert Laganière focusing on computer vision

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

2012 - 2015

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

SKILLS



LANGUAGES

Proficient in



Familiar with



- 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)
- 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++