

# VIVIAN YANG

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## ▲ TECHNICAL PROJECTS

### AGRIMIND - COMPUTER VISION

Hyperparameter tuning machine learning model for computer vision for agricultural problems, e.g. to recognize/label different pigs

### CONTROLLING TELEROBOTS OVER THE WEB USING NATURAL USER INTERFACE

Simultaneously reproduced body movement onto a robot.

Applications in disaster rescue and long-distance surgery.

- C#/Java to develop gesture control,
- TCP/IP sockets for data transmission,
- LEJOS for Lego NXT robot.

### TEACHFX CONNECT (EDTECH SOLUTION)

Partner organization: TeachFX

- Needfinding: teaching is unique profession with no feedback from colleagues
- Ideating: mentorship platform connecting experienced/retired teachers and teachers seeking advice/feedback
- Prototyping: Sketch & Marvel
- Implementing: ReactJS & Airtable

## 🎓 EDUCATION

STANFORD UNIVERSITY | 2017-2021  
BACHELOR'S DEGREE, CS

LORD BYNG SECONDARY | 2012-2017  
INTERDISCIPLINARY MAJOR IN MUSIC AND LITERARY ARTS  
LEADERS OF HOPE CLUB - PRESIDENT & FOUNDER  
DEBATE TEAM - SENIOR PRESIDENT  
LORD BYNG JAZZ BAND - PIANIST



## EXPERIENCE

### MACHINE LEARNING INTERN

PEANUT ROBOTICS | MAR 2017 -

- Collaborating with Berkeley masters students to develop perception system for intelligent robotics service
- Self-studying CS231N: Convolutional Neural Networks for Vision

### DEBATER

STANFORD DEBATE SOCIETY | OCT 2017 -

- Top Stanford novice speaker at 2018 World Championships
- 4th top novice speaker at Oxford IV, 2nd at Providence IV
- Selected to judge Cambridge IV

### ALUMNI RELATIONS ASSOCIATE

STANFORD GRADUATE SCHOOL OF BUSINESS | OCT 2017 -

- Facilitate flow of information from alumni relations office to individual alumni
- Manage accounting, attendance, and planning for reunions
- Organize databases and spreadsheets of alumni information

### LANGUAGE TEAM LEAD, L4 (TOP-TIER) TRANSLATOR

AMARA (UNIVERSAL SUBTITLES) | AUG 2013 -

- Efficiently and accurately completed over 400 translation projects of content from coding to modern art
- Manager and contributor for over 150 teams in English, Chinese, French
- Sample Project: Udacity's Developing Android Apps course

### TRANSLATION RECRUITER

AMARA (UNIVERSAL SUBTITLES) | APR 2016 - MAR 2017

- Hand-picked candidates from volunteers and contacts
- Interviewed 44+/month to ensure ability and fit for Amara

### ENGINEERING INTERN

TERADICI | AUG 2015 - AUG 2015

- Built Python module in Ubuntu to track & optimize build times in Excel with different cores & CPUs
- Worked closely with engineering manager to pitch ideas to VPs
- Familiarized with Agile methodology and Scrum Master role
- Designed and 3D-printed projects, including a clicker light



## AWARDS

### 2017 JD FINANCE GLOBAL DATA CHALLENGE

3RD PLACE, \$15000, PRIORITY INVESTMENT FROM JD FINANCE

### 2017 OXFORD INTER-VARSITY DEBATING COMPETITION

4TH TOP NOVICE SPEAKER, NOVICE FINALIST

### 2017 BASES SOCIAL IMPACT CASE COMPETITION

3RD PLACE, \$100

### 2016 CANADIAN DEBATING NATIONAL CHAMPIONSHIPS

REGIONAL & BC CHAMPIONSHIPS, OXFORD CUP QUALIFIER

### 2013 CANADIAN COMPUTING COMPETITION

JUNIOR CHAMPION - PERFECT SCORE

### 2012 CANADA-WIDE SCIENCE FAIR

SILVER MEDALLIST, BEST INFORMATION PROJECT, CSSE  
ENGINEERING AWARD, INNOVATION AWARD, UBC COMPUTER  
SCIENCE AWARD