

# Hanyu Tang



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<https://hanyutang-sandra.site>



<https://github.com/hanyutang-sandra>

## Education

**Carnegie Mellon University**  
School of Computer Science  
Human-Computer Interaction  
Institute  
Master of Educational  
Technology and Applied  
Learning Science (METALS)  
Pittsburgh, PA, USA  
Aug. 2018 - Aug. 2019

**Xiamen University**  
School of Humanities  
Xiamen, Fujian, China  
Aug. 2014 - July 2018

## Skills

**HTML5, CSS3**  
SCSS, LESS, Bootstrap,  
Materialize, Material Design

**JavaScript**  
ES6, JQuery, Reactjs, Redux,  
Webpack, Node.js, D3js,  
Expressjs, GraphQL, Rest API

**Python**  
Django, Flask, Tensorflow  
PostgreSQL, MongoDB  
JAVA, PHP, MATLAB

Adobe Photoshop, Adobe XD,  
Adobe InDesign, Sketch,  
Invision, Figma

## Languages

English (Fluent)  
Chinese (Native)  
German (Intermediate)

## Experience

**Frontend Web Developer Intern** Jun. 2019 - Aug. 2019  
**Carnegie Mellon University**

- Used ReactJS, LESS, Redux and ExpressJS to develop and improve a website that is able to display more than 1000 images on a single page and visualize student pose data using Echart. Used by research team to analyze image data and quickly identify errors.
- Utilized GraphQL for efficient data retrieval from API and PostgreSQL for secure session information storage on the frontend.

**Frontend Developer Intern** July 2017 - Aug. 2017  
**Xi'an Moumou Information Technology**

- Developed a website that allows visitors to earn money by following local merchants, watching the advertisement posted, and participating in online games.
- Ensured consistency of website with the iOS and Android version app in both function and style.

## Projects

**Developer, Project 'Háblame'** Jan. 2019 - Aug. 2019  
**Houghton Mifflin Harcourt**  
**Carnegie Mellon University**

- Led the 4 months' final prototype development process for 'Háblame', a web application based on Drupal 7 CMS for authoring and hosting immersive conversation-based interactive videos for language learning in an Agile team.
- Incorporated Google automatic speech recognition (ASR) and Experience API (xAPI) into customized H5P, a popular online platform for creating educational HTML content.
- In charge of quantitative data analysis using Python and Matplotlib, and team website building using ReactJS.

**Software Engineer, Project 'Grumblr'** Sep. 2018 - Nov. 2018  
**Carnegie Mellon University**

- Prototyped a MVC (model-view-controller) web app that allows users to post and view blog stream of other users.
- Implemented full-stack web development using Django as well as HTML5, CSS and JavaScript (JQuery).
- Adopted PostgreSQL for data storage and deployed on Heroku.