

# Hanyu Tang

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[hanyutang-sandra.github.io/portfolio](https://hanyutang-sandra.github.io/portfolio)

## EDUCATION

### Carnegie Mellon University, School of Computer Science, METALS

Pittsburgh, PA, USA

Aug. 2018 - Aug. 2019 (*Expected*)

*Relevant Coursework:* Web Application Development;

Human-AI Interaction; Applied Machine Learning;

Interaction Design Overview; Methodology of Visualization;

Document Design; Introduction to Computer Music (*Audit*)

### Xiamen University, College of Humanities

Xiamen, Fujian, China

Aug. 2014 - July 2018

*Relevant Coursework:* Application of Python Programming;

Foundations of Programming; HTML5 Canvas Games Development;

Data Processing and Evaluation with MATLAB;

Computer Networks with Communication;

Introduction to Computer Network Security.

## SKILLS

### Programming:

- HTML5, CSS3 (SCSS, LESS), Bootstrap, Materialize,
- JavaScript (jQuery, ES6, React.js, Angular.js, Vue.js, webpack, Node.js, D3.js),
- Python (Django, Numpy, Matplotlib, Scikit-learn, Tensorflow),
- C/C++/C#, MATLAB, R

### Design:

- Adobe Photoshop, Adobe Illustration, Adobe XD, Adobe In-design, Adobe AE,
- Sketch, Invision, Figma

### Research:

- Affinity Diagram, User Interview, Customer Journey Map, User Personas, Cognitive Task Analysis,
- A/B Test, Vivo Experiment

### Language:

- English (*Fluent*), Chinese (*Native*), German (*Intermediate*)

## EXPERIENCE

### Product Manager Intern, The One Electronic Technology

Aug. 2017 - Sep. 2017

- Conducted research to investigate the market potential for the company's virtual reality (VR) game and reported the findings to the executives.
- Collaborated with developers on prototyping a new augmented reality (AR) device that aims to improve tourists' navigating experience with immersive location-based direction guidance.
- Coordinated product requirements, design and implementation with developers and designers

### Frontend Developer Intern, Xi'an Moumou Information Technology

July 2017 - Aug. 2017

- Developed a website that allows visitors to earn money by following local merchants and watching the advertisement posted.
- Ensured consistency of website with the iOS and Android version app in function and style. Connected the website with database and implemented instant data transmission to frontend.

## ACADEMIC PROJECTS

### 'Hotpot Music', Carnegie Mellon University

Sep. 2018 - Dec. 2018

- Designed and prototyped a web application that allow users in the same room to listen to music simultaneously and send public comments
- Utilized HTML, CSS and JavaScript together with jQuery and Bootstrap to ensure responsive web application and great user experience
- Implemented Web Socket and ScrollMagic.js for simultaneous communication and animation effects

### 'Grumblr', Carnegie Mellon University

Aug. 2018 - Dec. 2018

- Designed and prototyped a MVC (model-view-controller) web application that implements an online miniblog website that allow users to register, login, post and view personal and other's posting stream and information
- Combined Django framework with HTML, CSS and JavaScript (jQuery) to create interactive user interface and optimize performance
- Adopted PostgreSQL for data storage and implemented on Heroku.

### 'Interaction Movie', Xiamen University

Feb. 2017 - Feb. 2018

- Designed and prototyped an app that allows users without professional knowledge about filmmaking to record, edit and upload self-made films.
- Conducted user research on college students on most frequently required support for film making.
- Led script writing and filming of the demo video.