# Haoran Zhang

**Web Developer**
(+353) 87-118-1498
haoranzhangie@gmail.com
GitHub: haoranzhang929
Website: haoranzhang.me

## Personal Summary

A highly enthusiastic developer who is always seeking new challenges and passionate about learning new skills. I have strong interests and passion in web development, content creation and data visualization, I actively seek out new technologies and stay up-to-date on industry trends and advancements. Completed my postgraduate degree with 1.1 in Interactive Digital Media, Trinity College Dublin, and achieved excellent grades on both front end and back end programming courses. Worked at Artofus as a full-time software developer and developed a full-stack web application which was showcased in company's 2019 CES demo.

## Skills

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| Front End Languages: | JavaScript (ES6), CSS, HTML |
| Back End Languages: | JavaScript (Node.js), Java, Python |
| Frameworks: | Spring, Express, React, Vue.js, Bootstrap, Google Material Design, Material-UI, Materialize |
| Databases: | MySQL, MongoDB, Cassandra |
| Other Technologies: | Linux, AWS, Terraform, Docker, JIRA, Jenkins, EJS, SASS, Plotly.js, NPM, Webpack, Redux, Three.js, P5.js, jQuery, WordPress, Squarespace, Shopify, Web Audio API, Web VR/AR, Responsive Design, Monolithic & Microservice architecture, RESTful API |
| Project Management: | Git, GitHub, Docker Hub |
| Other Tools: | Adobe Photoshop, Premiere Pro, Illustrator, 3ds Max, Processing, Arduino, Ableton Live |

## Work Experience

**08/18 – 05/19**

**Artofus –** Dublin, Ireland

**Software Developer/Web App Developer**

I am responsible for **web application development** as well as **DevOps** for web app. I have developed a full-stack web app based on Artofus' computer vision platform from the backend servers, Cassandra database to the frontend; dockerized and complete CI/CD for each component. I also developed an endpoint application of Artofus platform using Python, JavaScript and other frontend technologies. Both web app and endpoint were showcased in company's **2019 CES demo** as well as deployed on **AWS** using **Terraform**.

Architecture: **Microservice**

Client-side: **JavaScript, Google Material Design,**

Server-side: **Python, Node.js, Express**

Database: **Cassandra**

Other technologies: **AWS, Terraform**, **Docker, Webpack, SASS, Git, Jenkins**

**06/16 - 05/17**

**Louis Vuitton** – Dublin, Ireland

**Sales Consultant**

## Education

**09/17 – 09/18**

**MSc in Interactive Digital Media (1.1)**

**School of Computer Science and Statistics, Trinity College Dublin**

Modules including:

Programming for Digital Media (Grade: 91%), Authoring for Digital Media, Contextual Media, Audio, Video and Sensor Technologies, Visual Computing and Design

| 09/11 – 03/16 | **Bachelor of Business Studies in International Hotel Management (H2.1)** |
| | **Shannon College of Hotel Management** |

## Projects

| | | | |
|---|---|---|---|
| Web Apps: | **Unsplash Image Finder** | Demo: hao-search.tk | GitHub: Code |

A images finder app created using **React**, **Material UI** and **Unsplash API**

Technologies: **React**, **Material UI, AWS, Docker**

**Audio Frequency Graph Generator**      Demo: AWS      GitHub: Code

An open source real-time frequency graph generating tool for people who want to do web-based audio visualization.

Technologies: **Web Audio API, plotly.js, Materialize**

**IDM connector**

A social network web application for Interactive Digital Media students.

Technologies: **Node.js, Express, React, Redux and MongoDB**

Websites:      **Ecommerce Website for "ONE KICKS"**  URL: https://www.1-kicks.com

ONE KICKS is an Irish-based clothing and footwear resell store, I designed and developed their ecommerce website based the requirements from the business owner.

Technologies: **Shopify, JavaScript, CSS, HTML**

**Audio Visualization for "Warpaint - NIKI"**

This project is to create a web-based 3D visualization for a song called "Warpaint" by NIKI, it was showcased in Dublin Science Gallery to public from 01/09/18 to 02/09/18.

Technologies: **Three.js, Plotly.js, Web Audio API, Leap Motion, Subpack, Jeeliz FaceFilter API**

**Changing Places Ireland**            URL: changingplaces.ie

Website Design and Development for Changing Places Ireland, the object is to design a new, standalone website which is **Responsive**, **Accessible**, Easy to manage by people without a technical background.

Technologies: **WordPress, PHP, JavaScript, CSS, HTML**

## Other Experience and Award

| Chairman | **Chinese Students and Scholars Association in Shannon College of Hotel Management** |
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The organization aims at protecting the rights and interests of Shannon Chinese students, enriching students' life quality through sports and cultural activities, spreading the Chinese culture and developing the friendship with overseas Chinese and friends from Ireland and other countries.

| Award | **Dick Fitzgerald Memorial Award** |
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A prestigious award dedicated to graduates who demonstrate great potential in the hospitality industry as a true hotelier

| Qualifications | **WSET Level 2 Award in Wines and Spirits** |
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## Reference

| Dr Kathryn Cassidy | Francis Flannery |
|---|---|
| Software Engineer/Professor | Director of Solutions |
| at Trinity College Dublin | at Artofus |
| Tel: +353 (01) 896 4466 | Tel: +353 (087) 287 6396 |
| Email: kcassidy@tchpc.tcd.ie | Email: francisflannery@hotmail.com |