

HAN-YU TSENG

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<http://allen0346.github.io>

EDUCATION

Northwestern University, Evanston, Illinois Sep 2014 - Dec 2015

Master of Science in Computer Science

Relevant Courses: Data Structure, Computer System, Web/Software Project Development&Management, Human Computer Interaction, Artificial Intelligence, Machine Learning, Project Course - Web Development

National Chi Nan University, Puli, Taiwan Sep 2009 - Jun 2013

Bachelor of Engineering in Electrical Engineering

Relevant Courses: Embedded System, Project Course (Object-Oriented Programming).

SKILLS

Programming Language: Python, Javascript, HTML, CSS, SCSS/SASS, PHP, SQL, C, Java, C#.

Framework: Node.JS, Express.js, Angular.JS, Socket.IO, Bootstrap, Foundation, Materialize.

Web Development Tool/Library: MongoDB, GSAP, JQuery, MySQL server, Github, Photoshop, Linux.

RELEVANT PROJECTS

webChat Application Oct 2015 - Present

- Developed a online chat application which can offers real-time text transmission over internet.
- Used Node.js, Express.js and Socket.io to create a server.
- Established a local MongoDB for future member account management.

Hospital Ward Surveillance - Kinect Sep 2015 - Dec 2015

- Developed a responsive website for medical personnel to keep track of the daily movement of patients.
- Created and altered data table of MySQL database corresponding to the data which is generated by the Kinect tracking software.
- Employed amChart.js to visualize querying data from database.
- Developed login system to protect the health information privacy of patients.

Patient Data Visualization - Google Map Apr 2015 - Jun 2015

- Developed a website for medical personnel to search patient data by examining hospital geolocation displayed on the google map.
- Established a local server by Node.JS to respond http requests.
- Implemented the single page website/app by utilizing Angular Google Map, which increased the efficiency of presenting result of each new search.

Secret Diary Mar 2015 - Apr 2015

- Coded a responsive web app that can help user to write their private diary anywhere and anytime.
- Stored diary content to MySQL database simultaneously when users are typing.
- Created a member login and password encryption system.

ToureMe: Web App Jan 2015 - Mar 2015

- Developed a website for city tour recommendations and planning.
- Provided top rated attractions itinerary package with few clicks.
- Customized itinerary with simple drag and drop GUI according to attractions review, rating and locations.

2D Vertical Shooter Program Feb 2012 - Jun 2012

- Developed a 2D vertical shooter game using C# programming language.
- Established and tested the complete system with sound effects, objectives, and user interface.

LEADERSHIP

Chairman, NCNU Motorriders Club Sep 2009 – Jun 2011

- Organized and planned event and activities, including driver safety promotion, on-campus helmet sales, new student orientation, and participation in University Motorcycle Club Cup (motorcycle and scooter races.)
- Coordinated administration affairs, including handling necessary documentation for venues and funding.