Kaiwei Wang

UX Researcher / Web Developer / Software Engineer

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EXPERIENCES

Graduate Research Assistant   1.9.2017 - present

Research Network Operations Center at Georgia Tech

- Ran RNOC lab including operation of platforms, services and assistiting with hosting the CIC(Convergence Innovation Competion).
- Took lead on integrating campus websites into a container framework with consistent style of code and appearance.

Web Developer   5.1.2015 - 8.1.2015

Summer Internship at Intergalactic Mobile Learning Center

- Using HTML5 and React.js, developed the backend framework and frontend interface for an app suite that enabled elementary school students to collaborate in class in real time.
- Conducted ethnography study at local schools to gather qualitative user data and apply findings to the design.

PROJECTS

TapTile

UX Researcher, Software Developer   9.1.2016 - 12.5.2016

- Conducted user research and found opportunities to enhance social interaction at campus bus stops.
- Took lead on interaction design and software development of prototype TapTile.
- Won first prize in CIC (Convergence Innovation Competition) Fall 2016.

PhET Simulation

UX Researcher   9.1.2016 - 12.1.2016

- Conducted user research on accessibility design of web-based simulations that help students learn science concepts.
- Took lead in evaluating the sound design and executing cognitive walkthrough with teachers.

LaTeX Transformer

Team Leader, Algorithm Engineer   9.1.2015 - 12.20.2015

- Led a team of four that implemented a machine learning algorithm that translates an image of math formulas into corresponding LaTeX code.
- Took lead on implementing the section of the algorithm that detects the relationship between symbols in the formula.

EDUCATION

Georgia Institute of Technology

M.S. in Human-Computer Interaction

2016 - 2018 (Expected)

University of Michigan

B.E. in Computer Science

2012 - 2016

Shanghai Jiao Tong Univeristy

B.E. in Electrical and Computer Engineering

2012 - 2016

SKILLS

Computer Science

Machine Learning (SVM, CNN)

Randomized Algorithm

Facial Recognition Algorithm

Programming Language & Tool

Python   Matlab   C   C++   Java
HTML5   JavaScript   CoffeeScript
CSS   React.js   Node.js
Qt   Unity   Bootstrap
Arduino

Design Tools

Adobe Photoshop   Sketch   iMovie
Processing   Framer.js

Research & Management

Qualitative User Research

Data Analysis

Agile Development

Waffle.io

Language

Chinese (native language)

English (full professional proficiency)