

# KJ (KAIJIE) HUANG

graduate: Dec.2016

## Summary

As a MS-HCI (Human Computer Interaction) student with strong experience of front-end development and complex data visualization, I am passionate in creating ultimate web user experience and have devoted myself to the front end community. I am seeking full time position as front end/UI developer.

## Working and Research Experience

### Visualization Scientist(Full Stack Developer) at ProsumerGrid 2016.8—Present

demo: <https://github.com/hkjpotato/react-vis-project>

- ✓ In charge of developing web based visualization platform for Distributed Energy Resources Simulation Studio, including data model explorer, analytics, and 2D/3D visualization.
- ✓ Design and implement the data model, database and corresponding RESTful API to integrate different forms (CSV, JSON, Tokenized Text String) of input/output data (nested network data + time series)
- ✓ Build front-end with **D3 + React + Google Map** for the complex nested network data visualization.

### Lead Web/UI developer at OYOYO Studio 2016.6—2016.8

- ✓ Teamed up with students of different universities to launch this start up.
- ✓ In charge of developing responsive and cross-platform websites for local small businesses. (Bootstrap + HTML5) demo: [www.kjhuang.com/oyoyo/yellow/](http://www.kjhuang.com/oyoyo/yellow/)

### Technical Interns at Cvent (UI developer) 2016.1—2016.5

- ✓ UI Developer, cooperated with the UX/UI team to develop the web front end of the core product of the company (Cvent Supplier Network), using ReactJS with webpack.

### Graduate Research Assistant at Multimedia & Sensor Lab 2015—2016

- ✓ Worked at Ford® Remote Repositioning project (Driverless Car). Lead developer of the front end of the WebRTC application using AngularJS, OpenTok.js and jQuery
- ✓ Developed image processing application in javascript.

## Projects

### Insider's Visual Guide to Uber(InfoVis Project) 2015.8—2015.12

- ✓ Teamed with designer and developer to develop a visualization web app for Uber Surging Pricing Policy using D3.js and Uber API.
- ✓ Used UI data binding to achieve linking and brushing, so that the user can see the overview and detail of the InfoVis.  
*The project is recognized by Uber Data Visualization team.*

### UX Study of In Map Vis Interaction (Master Research Project) 2016.8—2016.12

Professor: John Stasko

- ✓ Designed and developed a exploratory dashboard for hierarchical network data.
- ✓ **Thinking in React**: synchronize multi-views with a uniform state for interaction.
- ✓ Carried out complete HCI study (5 subjects), including enter&exit survey+ benchmark tasks, focused on increasing map based **affordance and interactivity**, while reducing visual complexity of hierarchical network visualization.

### Front-end 101 (My Passion for Front End Community) Present—Future

Project site: [github.com/hkjpotato/frontend101](https://github.com/hkjpotato/frontend101)

- ✓ Through this undergoing project, I wish to summarize my learning experience about front end and share them with other people who want to join this exciting and challenging community.

## Get In Touch

- ▶ [hkjpotato@gmail.com](mailto:hkjpotato@gmail.com)
- ▶ Portlio: [www.kjhuang.com/kjweb](http://www.kjhuang.com/kjweb)
- ▶ Github: <https://github.com/hkjpotato>
- ▶ [linkin.com/in/kjhuang](https://www.linkedin.com/in/kjhuang)
- ▶ [codepen.io/hkjpotato](https://codepen.io/hkjpotato)
- ▶ Skills Summary:  
[github.com/hkjpotato/frontend101](https://github.com/hkjpotato/frontend101)

## Education

### MS in Human-Computer Interaction

Georgia Institute of Technology  
2014-2016 (GPA 3.6/4.0)

### BE in Civil Engineering

The University of Hong Kong  
2011-2013 GPA 3.81/4.3)

## Skills

### Front-end

React  
D3  
Anuglar1  
Vanilla JS  
jQuery  
HTML  
CSS  
CSS3 Animation  
LESS

Bootstrap

### Back-end

Django + RESTful API  
Python  
NodeJS  
JAVA  
PHP  
MySQL

### Design

Animated Prototyping  
Axure  
Balsamiq  
Adobe Photoshop  
Adobe Illustrator