Hui Xie

FRONT END ENGINEER · WEB DEVELOPER

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"Be the change that you want to see in the world."

Education

University of British Columbia   *Vancouver, BC, Canada*

M.A. IN ARCHITECTURE   *Sep. 2014 - Exp. May. 2018*

- Professionally trained with design thinking, creative problem-sloving as well as communicating with compelling graphics. Specialized in computational design programming.
- Won the master of Architecture merit scholarship which is given to the promising student in SALA Dept.

Iowa State University   *Ames, IA, U.S.*

M.S. IN STATISTICS   *Sep. 2011 - Oct. 2013*

- Have a solid understanding of the statistical inference and data analysis. The thesis work is focused on computational statistics acceleration algorithms.

South China University of Science and Technology   *Guangzhou, China*

B.ENG. IN PROCESS EQUIPMENT AND CONTROL ENGINEERING   *Sep. 2007 - Jul. 2011*

- Have a solid understanding of the automatic process system control and design.

Experience

DIALOG (Multi-disciplinary Design Firm)   *Vancouver, Canada*

ARCHITECTURAL DESIGN INTERN   *May. 2016 - Dec. 2016*

- Involved in the concept and schematic design of the Northeast Falsecreek complex development.
- Conceptualized and illustrated the design diagrams and renderings.
- Attended the client meetings to present and discuss the design concepts.

Timbre Research Lab (Prof. AnnaLisa Meyboom)   *Vancouver, Canada*

GRADUATE RESEARCHER   *Jan. 2015 - May. 2015*

- Developed the Rhino scripts (Python) to generate the digital complex geometry.
- Created the diagrams and fabrication drawings for fabrication.

Computational Statistics Lab (Prof.Mervyn G Marasinghe)   *Ames, IA, U.S.*

GRADUATE RESEARCHING ASSISTANT   *Sep. 2011 - Oct. 2013*

- Implemented the Efficient Maximum Likelihood Algorithms in the acceleration of the Multivariate linear mixed model.

Projects

The Movie Database Search App   *Vancouver, Canada*

PERSONAL PROJECT   *2 weeks*

- A single page app based on ReactJS framework and the movie database (TMDB) api.
- Implemented the Typeahead and Bloodhound to provide interactive search results.

Architecture Roadmap Web App   *Vancouver, Canada*

PERSONAL PROJECT   *2 weeks*

- An info map that provide crowd-sourced reviews for famous architecture information
- Implemented the JQuery plugin Typeahead and backend SQL database to dynamically serve the user searching activities.
- Setup and configure the Backend Server using Amazon Web Service (along with Python, Flask and Apache.

Skills

Programming	Javascript, Python, R, LaTeX, C
Web Develop	ReactJS, Webpack, git, JQuery, Bootstrap, D3.js, Three.js, Node.js, HTML5, CSS3 (Sass)
Design	Photoshop, Illustrator, Indesign, Rhino3D, Sketchup
Languages	English, Chinese, Cantonese