Hong Dat **Cheung**

FRONT END & MEDIA DEVELOPER

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PROFILE

Innovative Front End Developer with 10+ years experience creating and optimizing interactive, user-friendly, and feature-rich applications and tools. Building new websites from start to finish. Always meticulous about detail to deliver complicated design to "live". Proficient in modern web technology, libraries and frameworks. Passionate about 3D modeling and virtual reality.

WORK EXPERIENCE

Front-end & Media Developer - Magnani (Chicago)
JANUARY 2009-PRESENT

Ranked among top digital and UX agencies. Since 1985, Magnani has helped clients uncover, develop and maximize market opportunities. Through our proprietary innovation process, we use design thinking to craft product, service, and brand experiences people love. More creative than most consulting firms. More strategic than most digital agencies. And more digital than most creative agencies. We're ready to help you find new opportunities in every channel and point of customer interaction.

Projects:

MAGNANI Digital Archive Tool

— Using Vue.js framework to develop Single Page Application.
— Using Firebase authentication to create a user with email and password accounts.
— Using Cloud Firestore NoSQL database to store archive information.
— Using vue.js progessive framework to build user interfaces.
— Using Materialize CSS create modern responsive front-end look and feel.
— Using Web Workers to parse large data in background threat to avoid interfering with the user interface.

Gallagher Umbrella Tool (https://umbrellalimits.tools.ajg.com/), Cyber Calculator Tool

— Using modern CSS3 technique to create smooth transitions through analytical steps.
— Create icon fonts and apply to different industries for easily scaling and color change.
— Utilize phaser.js - open source framework for canvas and webGL to create interactive chart presentation.
— Leveraging responsive web frameworks and libraries to complete deliverable within tight schedule for client presenting to the senior management.

@properties Sales Presentation Tool, Website (2015)

— Built a complete new website with a dynamically updating form and create tiered, prioritized and expandable views of property data.
— Using angular.js open-source web framework to address the challenges of single-page application.
— Create front-end part of real time representation tool to allow both agent and the seller to see in real time sales.
— Integrate Google Map API.
— Feature-rich UI implementation for creating a seamliss presentation.
— atproperties.com was awarded "Best Overall" REALTrends 2015 - real estate website rankings.

FRESENIUS KABI Website (https://chooselovo.com/)

— Create a completely new wordpress site from scratch.
— Create a custom custom Wordpress theme.
— Use 3ds Max to render "Automated Cell Processing System" to create 360^0 view.

SIEMENS Infographic (https://hongdatcheung.com/fun/infographics/)

— Use svg animation to enhance user's engagement.
— Use staggered and step animations based on browser's scroll position to give better user experience.
— Interactive components give user opportunities to access information easily.

R & D Consultant - Magnani Pixon Technology (Taiwan)
NOVEMBER 2006- JULY 2008

— Responsible for the design of next generation illumination devices with LED light source
— Team leader of research and development team in optical device department
— Design, optimize, visualize, analyze and document design clearly and efficiently with LightTools and AutoCAD

SKILLS

Language
HTML (15 years)
CSS/LESS/SASS (15 years)
javascript (15 years)
PHP (5 years)

Framework
Vue.js (5 years)
Angular.js (6 years)
Angular (3 years)
React Native (2 years)
Redux (2 years)
Node.js (2 years)
A-Frame (3 Years)

Libraries/API
jQuery (10 years)
Vuex (3 years)
React.js (3 years)
Framer Motion (1 years)
Bootstrap (5 years)
Foundation (5 years)
MaterializeCSS (3 years)
Phaser.js (6 years)
Three.js (5 years)
D3.js (3 years)
P5.js (3 years)
GSAP (5 years)
Google Map (10 years)
Youtube (5 years)

Tools
Webpack (4 years)
npm (4 years)
Jest (1 years)
VS Code (3 years)
Webstorm (8 years)

EDUCATION

University of British Columbia (Vancouver, BC)
PHD. Electrical Engineering   1997-1999

University of British Columbia (Vancouver, BC)
MS. Electrical Engineering   1995-1997
- *Completed all Masters of Science electrical engineering courses*

Simon Fraser University (Burnaby, BC)
MS. Physics   1994-1995
- *Completed first year M. Sc. PHYSICS courses*

York University (Toronto, ON)
BS. Applied Mathematics & Physics   1990-1994
- *Combined Honors*
- *First class with distinction and Member of Dean's Honor roll.*