JIA JASMINE ZHANG

jszhang0510@gmail.com

jiajasminezhang.com

github.com/jszhang0510

EXPERIENCE

ENERGY ANALYST INTERN
Footprint | Jan 2020- April 2020
Toronto, ON Canada

* Created building performance simulations to guide the design of new buildings and urban master plans; including energy modeling and life-cycle analysis

* Consulted for high-performance building strategies under LBC, Passive Haus, or compliance under NECB, ASHRAE 90.1

* Specialized in parametric modeling tools for building envelope studies

VCS/VR/AR INTERN
Ledcor Group | Feb 2019- Aug 2019
Vancouver, BC Canada

* Created 4D simulations and oversaw BIM related project coordination through point cloud models and 3D laser scans

* Implemented VR/AR modules to perform clash detection and delivery

PRODUCT ANALYST
Forze Hydrogen Electric Racing (Part-time) | Sept 2018- Aug 2019
Delft, ZH Netherlands

* Managed digital media outlets with a reach of 3 million+ people

* Analyzed digital customer behavior to define metrics, goals, and forecasts with a focus developing on data visualization

JUNIOR DESIGNER
Solomon Cordwell Buenz | Apr 2018- Aug 2018
San Francisco, CA USA

* 3D modeling, schematic design, and construction detailing of three mixed-use high-rise towers to be developed in San Francisco, Oakland, and Chicago

WATERLOOP SHELL DESIGN LEAD
SpaceX Hyperloop Competition | Jan 2018- April 2019
Waterloo, ON Canada

* Spearheaded initial design study models leading a group of 10 designers

* 1 of 24 teams invited to Competition II at SpaceX Hawthorne, California

UX DESIGN INTERN
TD Innovation Lab | Sept 2017-Dec 2017
Toronto, ON Canada

* Prototyped, and launched a new P2P money transfer on-boarding process impacting 150,000+ users in Canada

HISTORIC PRESERVATION/SUSTAINABILITY INTERN
Scott Henson Architects | Jan 2017-Apr 2017
New York City, NY USA

* Carried out adaptive re-use of Brooklyn row home to achieve EnerPHit certification

* Developed Resource Valuation and Risk Assessment Map presented to the Landmarks Preservation Commission

EDUCATION

BACHELOR OF ARCHITECTURAL STUDIES, HONORS CO-OP BAS
University of Waterloo | Sept 2015- Aug 2020
Cambridge, Canada

* With an inaugurated Rome, Italy semester for fourth year students
* Member of the admissions committee interview panel

ERASMUS EXCHANGE, FACULTY OF ARCHITECTURE
Delft University of Technology | Sept 2018- Feb 2019
Delft, Netherlands

INVOLVEMENT

HACK POLYTECHNIC UNIVERSITY OF CATALONIA
Barcelona, Spain | Oct 2018
* Fifth edition of the first student hackathon in Spain

ACTUA CANADA STEM
Toronto, Canada | Dec 2017
* Educated elementary school students about financial literacy and the design process

PRODUCER- THE IVORY EGGSHELL (ORIGINAL PLAY)
Toronto, Canada | May 2017
* Oversaw sponsorships and (from scratch) set design/ fabrication of 19 persons student theatre group

STEEL STRUCTURES FOUNDATION DESIGN COMPETITION
Toronto, Canada | May 2016
* Design of exposed steel details with the condition "suspend"
* Integration of public and green spaces in the financial district of Toronto

DISTINCTIONS

ERIC HALDENBY ROME AWARD
University of Waterloo | Sept 2019

INTERNATIONAL EXPERIENCE AWARD
University of Waterloo | Jan 2017 | Apr 2018 | Feb 2019 | Aug 2019

CODE/DESIGN TO WIN HACKATHON
Communitech | Nov 2017
* Placed top 10%

2017 PALLADIO AWARD-ADAPTIVE REUSE
Knickerbocker Telephone Company Building | March 2015

FACULTY OF ENGINEERING MERIT SCHOLARSHIP
University of Waterloo | Sept 2015

SKILLS

| 2D | *AutoCAD | *Sketch App | *Adobe Creative Suite (Illustrator, Photoshop, InDesign, Muse, Premier, AfterEffects, Lightroom) | Figma | *InVision | HTML |

| 3D + 4D | *Rhino | *Grasshopper (Honeybee, Ladybug) | *eQuest | *IES (VE) (ICL) | *THERM | *3DS Max | *Revit | *Solidworks | *MeshLab | *Unity | Maxwell Render | V-ray | *SketchUp | *Synchro | *Fuzor |

| Processing | *3D Printing | *Laser Cutting | Hand Drafting | Traditional Woodshop Tools | *Model Making | *CNC/ Machining | Sketching | *Mold Making |

* full professional proficiency

LANGUAGES

ENGLISH   MANDARIN   FRENCH