Jenny Xia | Systems Design Engineering

www.jennyxia.com | Github | LinkedIn | | jieni.xia@gmail.com

Experience

VR Development Intern
CNIB (Canadian National Institute for the Blind)
January - April 2018 (4 months) | Toronto

- Developed a subway platform simulation for orientation and mobility rehabilitation usage for CAVE VR and HTC Vive, using Unity3D, C#, and SketchUp.
- Created a report detailing recommended next steps for CNIB's VR program development and hardware purchases.
- Facilitated a new partnership between CNIB and the Games Institute at the University of Waterloo.

Design Intern
MMC International Architects
September 2016 - April 2017 (8 months) | Toronto

- Developed design concepts, renderings, and presentations using InDesign, Illustrator, Photoshop, AutoCAD, SketchUp and V-Ray for retail redevelopment projects worth over $400 million.

Architectural Assistant
East 9 Architects & Planners
January - April 2016 (4 months) | Singapore

- Researched and developed design proposals utilizing an iterative design process for commercial, residential, and institutional competitions and tender invitations.

Crisis Responder
Crisis Text Line / Kids Help Phone
March 2018 - ongoing volunteer position | Canada

- Utilized empathetic communication skills and quick thinking to provide prompt and effective support to youth in crisis.

Skills

Dev: HTML, CSS, C++, C#, Unity3D, Arduino

CAD/3D: AutoCAD, Solidworks, SketchUp, Rhinocerous3D, VRay

Design: InDesign, Illustrator, Photoshop, hand drafting

Build: 3D printing, laser cutting, model making

Education

Systems Design Engineering
University of Waterloo
2017 - 2022
Excellent academic standing

Architectural Studies
University of Waterloo
2014 - 2016
Dean's List (2A term)
International Experience Award (2016)

Interests

Painting, sketching, reading, running, piano, erhu

Selected Projects

www.jennyxia.com
Responsive portfolio website created using HTML, CSS, and Bootstrap 4.

Catalogue/myne.tech
Life cataloguing webapp developed during Hack the Valley using HTML, CSS, Bootstrap 4, Node.js, and MongoDB.

Shottle
Product design for a two chambered bottle with a spring loaded lid, modelled in Solidworks and prototyped using 3D printing.

Legacy Project Finalist - University of Waterloo
Lead designer in a team of 5 for competition to design a revitalization of Arts Quad on campus, within a budget of 200k.