Claire Chen

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INDUSTRY EXPERIENCE

Junior Tools Programmer, Co-op Work Term 2   9/2019 – 12/2019
Ubisoft   Winnipeg, MB
 • Developed an addon for Blender from scratch converting polygon meshes to voxel meshes.
 • Iteratively developed 3D technology in collaboration with technical artists and other programmers.
 • Implemented 3D collision, partitioning and filling algorithms.
 • Optimized performance in C++ and generated Python extensions using PyBind11.
 • Tackled down the technical difficulties when exporting Blender meshes to OpenVDB for volume storage.

Junior Developer, Co-op Work Term 1   1/2019 – 4/2019
Bold Commerce   Winnipeg, MB
A software development company providing industry-leading eCommerce solutions for online stores.
 • Worked on a Store Locator app using Google Maps interface to add stores to any Shopify website and produce search results and driving directions.
 • Designed and implemented end-to-end tests for 3 apps.
 • Built an admin page using React and Redux.
 • Implemented a new test Stripe payment gateway.
 • Continuously introduced 5 releases on feature implementation, bug fixing and UI/UX improvement.
 • Improved the Import System, saving daily workload of manually geolocating 6000 places.
 • Designed and developed Bulk Export System using Laravel.

EDUCATION

Bachelor of Computer Science, Honours (Co-op)   1/2017 – present
University of Manitoba   Winnipeg, MB
 • **GPA: 4.24/4.50**
 • Expected Graduation: December 2020
 • SkipTheDishes & WICS Women in Computer Science   12/2019
 • Women in Computer Science   11/2019
 • Chan Hon Kee Scholarship   9/2018
 • Dean's Honour List   7/2017

B.A. Bachelor of Arts, English   9/2012 – 7/2016
Jilin University   Changchun, Jilin, China

SKILLS

Programming Languages: Java, C/C++, Ruby, MySQL, Python, PHP, JavaScript, HTML, CSS
Development Software: Android Studio, Visual Studio, Xcode, PhpStorm, IntelliJ IDEA
Tools: CodeceptJS, Node.js, Laravel, React, PHPUnit, Docker, Google Cloud Platform
Team Collaboration: Agile Development, Git, Confluence, Jira, Slack, Teams, Trello

PROJECTS

¢enturion, Software Engineering 1 Group Project
An android mobile app built with Java, designed to assist users in management of their everyday finances.

EXTRACURRICULAR

 • Mentor   6/2019
Teens Learning Code, Intro to Browser Extensions with JavaScript.
 • Volunteer Judge   5/2019
Manitoba High School Computer Science Fair.
 • Mentor   4/2019
Teens Learning Code, Build a Multi-Page Website with HTML and CSS.
 • Mentor   3/2019
Girls Learning Code, Generative Art in Processing.
 • Tutor   9/2018 – 12/2018
Introductory Computer Science