

Xiang(Austin) Li

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EDUCATION

University of Toronto Scarborough

BA in Computer Science GPA: 3.58/4.0

Toronto, ON

Sep 2015 - Aug 2019

EXPERIENCE

Maple Leaf Foods

Software Developer

Toronto, ON

Jan 2018 - Apr 2018

- Built a responsive, lightweight Angular website in a small team to advertise the co-op program that optimized load speed by 90%
- Worked full-stack in a small team of two to debug and maintain an ASP.NET web app that tracks downtime of different plants

Financial Services Commission of Ontario

IT Policy Analyst Co-op

North York, ON

Jan 2017 – Aug 2017

- Researched and prepared FSCO's IT procurement requests, job descriptions, policies and documented related processes
- Created and fixed VBA macros and functions of MS Word/Excel to improve efficiency of IT related processes

PROJECTS

Bomb Man

Apr 2019

- Featured top 5 project out of more than 50 other projects
- Created a 2-4 multiplayer browser game using node.js and WebGL
- Implemented frontend UI and game queue using real time communication between clients and server with socket.io
- Optimized 3D game models and implemented gameplay logics using algorithms like BFS

Course Manager

Jan 2019

- Developed an easy-to-use web app to track course grades and progress with Django
- Learned Django during the development process with no previous experience on the framework
- Designed relational database models to store courses, grades and users with Python and SQLite

Ray Tracer

Dec 2018

- Implemented an advanced ray tracing program in C that generates an image by tracing the path of light as pixels
- Developed features including the Phong model, reflection, refraction, area light source, soft shadows, texture mapping, normal mapping, and alpha mapping

ADDITIONAL

- Relevant Coursework: Data Structures and Algorithm Design, Engineering Large Software Systems, Machine Learning, Web Programming, Computer Graphics, Databases, Operating Systems
- Programming Languages: Python, Java, Javascript(ES6), Node.js, C, HTML5/CSS, jQuery
- Web Frameworks: Angular, React, Django
- Tools: MySQL, NoSQL, Maven, REST APIs, Git, Amazon Web Services (EC2)