

HUITING CHEN

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EDUCATION AND AWARDS

BS Computer Science Specialist at University of Toronto

2018 – Present

CGPA 4.00/4.00

Dean's List Scholar

2019 Summer

COURSES

CSC311 Intro to Machine Learning

A+

Intro to classic ML algorithms: classification, probabilistic models, reinforcement learning, etc.

CSC209 System Programming

A+

Linux system and network programming in C, covering topics such as processes, pipes, signal and networking

CSC343 Intro to DataBase

A

Relational database like PostgreSQL, database operations such as CRUD.

CSC207 Software Design

A+

OOP and design patterns (factory, strategy, observer, etc.) in Java

SKILLS

- **Programming Languages:** Javascript, Python, Java, C/C++
- **Web Programming:** React, Redux, Bootstrap, Node.js, Express.js. Some experience with building a small website (both frontend and backend)
- **Databases:** PostgreSQL, MongoDB.
- **Machine Learning:** Neural networks, bayesian models and reinforcement learning.
- **System Programming:** Basic Linux commands, shell scripts, parallel programming (pthread and OpenMP)
- **Computer Graphics:** Basics of ray tracing, OpenGL, and GLSL.

PROJECTS

Simple Forum

<https://github.com/owlhtchen/forum>

A simple forum web app built with React, Bootstrap, Express.js, MongoDB and WebSocket

Supports Markdown edit/display, Google OAuth login, user avatars, notifications for followed users/posts, direct messages, advanced searching on all contents across the site (users, posts, comments, etc.)

Simple File System: An extent based file system. Support random file read/write, large files up to a few gigabytes. Can be mounted to a real Linux system using FUSE.

Hiring Sytem: Group project in CSC207. A hiring system using JavaFX. Supports job posting, interview scheduling, built-in notification system, document uploading.

pmake: A parallel building tool similar to GNU make.

Dino: A dinosaur game implemented in verilog on FPGA