

Shaun Ren

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SKILLS

PROGRAMMING

Proficient:

C • C++ • Java • Python

Familiar:

MATLAB • SciPy • Sage • TensorFlow

CSS • JavaScript • HTML • C#

LaTeX • Lua • Lisp • SQL • Bash

Assembly • Haskell • Android

SYSTEMS

Linux • FreeBSD • Windows • OSX

EDITORS

Emacs • Vim • Visual Studio • Eclipse

SOURCE CONTROL

Git • SVN • Perforce

LANGUAGES

Native:

English • Mandarin Chinese

Intermediate:

Japanese • Latin

CERTIFICATIONS

.NET FRAMEWORK - APPLICATION DEVELOPMENT FOUNDATION

Dec 2010 | Microsoft

INTERESTS

Quantum computing • QFT

Neuroscience • Number theory

Guitar • Calligraphy • Linguistics

Reading • Biking

EDUCATION

UNIVERSITY OF WATERLOO

CANDIDATE FOR BACHELOR OF COMPUTER SCIENCE

MINOR IN PHYSICS

Sept 2014 - Present | Waterloo, ON

Courses

PHYS 434 Quantum Physics 3 87%

PHYS 256 Geometrical and Physical Optics 97%

RESEARCH INTERESTS

- Pattern recognition, prediction and feedback using computational neuroscience models
- Quantum computing, theory and implementation

WORK EXPERIENCE

GOOGLE | SOFTWARE ENGINEERING INTERN

Jan 2016 - Apr 2016 | Kirkland, WA

- Implemented character-level multilingual deep convolutional neural networks for text classification
- Tuned hyperparameters on large-scale GPU clusters

SONY NETWORK ENTERTAINMENT | C++ DEVELOPER

May 2015 - Aug 2015 | Waterloo, ON

- Worked on the DLNA backend of Media Go
- Implemented an on-the-fly MP3 transcoder with LAME
- Wrote a DLNA certification automation server using Microsoft Casablanca

PROJECTS

- An UNIX-like monolithic kernel for i686 in C++14
- A parallel ray tracer in Haskell
- A first-order logic engine in Haskell
- A convolutional neural network in C++ for handwritten OCR
- Ported OpenTuring from Windows to GNU/Linux

AWARDS

2014	5 th /1190 in Canada	Canadian Computing Competition Silver
2014	38 th /641 in Canada	Google Code Jam Round 2 (handle: shaunren)
2013	1 st in Ontario	ECOO Competition Winning Team