

Johnson (Sheng) Zhong

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EDUCATION

University of Toronto

2013 - Present

Engineering Science class of 2017

GPA: 3.93/4.0

SKILLS

- **Programming** | C++ | Python | C | Lisp || Git | Autotools | Mercurial
- **Web development** | Django | HTML | CSS | Jekyll | Javascript
- **Visual Design** | Inkscape | Photoshop | SolidWorks | OpenSCAD
- **Science** | 2nd in Province for CAP physics contest 2012
- **Leadership** | Started student-led tutoring program | Martial arts instructor

EXPERIENCE

Language Interpreter (Lisp)

Aug 2014

Solo – more at lemonpi.github.io/portfolio/projects/clisp

- Small and fast at around 550 lines of C++
- First class functions, tail call optimization for recursion
- Lexically scoped to prevent name clashing inside called functions
- Automated garbage collection with RAI

Website Hack

Dec 2013

With partner – more at lemonpi.github.io/portfolio/evaluation/skulecourses

- Major website used by Toronto students to download past exams
- Found security loophole that allowed code injection
- Prompted maintainers to fix issue

IEEEXtreme Programming Competition 7.0

Oct 2013

Team of three – Virtual Vagrants [placement](#)

- Solved programming challenges within 24 hours
- Created random maze generator and maze AI
- Placed **43/7500** (6th in Canada).

Web Design and Development

Nov 2013

Solo – more at lemonpi.github.io

- Learned CSS, HTML, and Markdown in a weekend
- Served by Github pages using Jekyll
- Frequently updated with user experience enhancements

INTERESTS

| Hacking | Graphics Design | Chess | Badminton | Wushu |