

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
- **Web development** | HTML | CSS | Jekyll | Javascript
- **Visual Design** | Inkscape | Photoshop | 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 – reflection at lemonpi.github.io/portfolio/projects/clisp

- Small and fast at around 550 lines of C++
- Higher order functions, duck typed variables, and first class functions
- Lexically scoped to prevent name clashing inside called functions
- Automated garbage collection with RAI

Website Hack

Dec 2013

With partner – reflection 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 Design Portfolio - lemonpi.github.io/portfolio

- Learned CSS, HTML, and Markdown in a weekend
- Served by Github pages using Jekyll
- Highly praised, scoring 20/20 by design course TA

INTERESTS

| Hacking | App Development | Chess | Badminton | Wushu |