

Shuai HE

1400 2nd St. S.,
APT#B118
Minneapolis, MN 55454
612-816-4258
hexxx477@umn.edu

Education

B.S., Computer Science, Summa Cum Laude Sept. 2012 - Dec. 2016 (expected)
University of Minnesota-Twin Cities, College of Science and Engineering

Coursework

Program Design, Operating System, Data Warehousing, Artificial Intelligence, Database Systems,
Computer Networks, Machine Learning, Software Engineering, Electronic Commerce

Work Experience

- Web Developer Mar. 2015 - present

College of Biological Sciences, University of Minnesota

- Front-end plan, development and maintenance of the site using HTML&CSS in Drupal
- Responsible for multiple techniques to support search engine optimization (SEO)

Relevant Experience & Project:

- Course Registration System Sept. 2015 - Dec. 2015

- Design in objected-oriented pattern, agile-development & implementation in Java
- Wrote requirements specification, design description, test documentation, postmortem report
- Code coverage measurement using IntelliJ's built-in tool

- Reddit Creeping Jul. 2015 – Jan. 2016

- Large-scale data aggregation for analysis purpose utilizing Reddit's API, and Python library PRAW

- FCAL to C++ Translator Sept. 2014 - Dec. 2014

- Developed a translator (composing a scanner, a parser, and an abstract syntax tree), which translates FCAL (a domain specific language) programs into C++ programs.
- Utilized tools including modeling languages (UML), debuggers (GDB), unit testing frameworks (CxxTest), and document generators (Doxygen)

Personal Links

- <https://github.com/xongkoro3>

Activities and Honors

- University of Minnesota Gold Global Excellence Scholarship 2012-2016
- University Honors Student Association 2013-2015
- Dean's List 2012-2015
- Honorable Mention, Modeling Contest in Mathematics 2013

Technical skills

- Programming languages: Python, Java, C++, Javascript, SQL, R
- Software tools: MATLAB, Weka, Wireshark, Git, MS Office
- Certificates: MongoDB for developers (MOOC)