

# Zhuojun(Morgan) Zhang

<http://www.morganzhang.me>

## EDUCATION

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Sep 2011 - *Current* BS in COMPUTER AND INFORMATION SCIENCE, **University of Oregon**, OR

- Expected graduation: Winter 2015
- Actively pursuing undergraduate thesis
- GPA: 4.09/4.30

## EXPERIENCE

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Spring 2013-*Current* | **ONRG Lab - Undergraduate Research Assistant**

- Implemented a crawler for collecting Twitter users' information
- Network measurement: developed and maintained a tool for automating targeted probing process, wrote parsers for collected data. Inferred AS-level topology, characterization of eBGP sessions, routing diversity and routing policy

Winter 2013,Fall 2013 | **CIS210 - Grader/Undergraduate Teaching Assistant**

- Assessed students' python projects, developed rubrics for grading
- Helped in office hours and lab sessions, answered questions and debugged code

## PROJECTS

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Twitter Crawler(in Java):	a program for collecting users' information and their tweets, using Twitter4J and Gson libraries for collecting and parsing data.
Secure Copy(in C):	a scp-like program using Libgcrypt, providing both encrypted message and corresponding HMAC
Shell(in C):	a shell for operating system class, functionality includes: redirection, pipe, job control, signal handling, ect
Code Obfuscation(in C++):	code obfuscation by manipulating abstract syntax tree(AST) generated by ROSE compiler

## SKILLS

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Tools & Software:	GNU(make,gcc,gdb,bash ect.), MySQL, jGRASP, Eclipse, Vim, $\LaTeX$
Programming Languages:	C, C++, Java, Python: experience with projects x86 Assembly: reversing small binaries

## HONORS AND AWARDS

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JULY 2013	Erwin & Gertrude Juilfs Scholarship (\$1,000), <b>University of Oregon</b>
JUNE 2012	1 <sup>st</sup> place in The Fourth Annual Juilfs Programming Contest, <b>University of Oregon</b>

## INTERESTS AND ACTIVITIES

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Online CTF competitions(HITCON,CSAW,gits,DefCon)

CTF Wargames(io at smashthestack.org, pwnable.kr, microcorruption.com)

Member of UOsec security club