

# Zehao Sun

4000 15th Avenue NE, Seattle, WA 98105 206-802-4331 sunz5@uw.edu

## SUMMARY

A self-motivated CS student with over 7 years' programming experience in both abstract modeling and practical developing targeting for internship.

## EDUCATION

**University of Washington** (Seattle, WA — 2013.9-2016.6)

Sophomore Computer Science major with overall **GPA 3.72**.

CS Classes: Hardware/Software Interface, Java, Discrete Mathematics, Web Programming, GameDev Club (Activities)

## SKILLS

- Programming Languages:  
Java (5 years), C++ (6 years), C# (2 years), Actionscript3 (3 years), Web Programming (Javascript, HTML, CSS, PHP) (3 years), Python (1 year)
- Software:  
IntelliJ Idea (500+ hour), Blender (300+ hour), Illustrator (100+ hour), Photoshop (200+ hour), Visual studio (500+ hour), Git (2 year), Flash (500+ hour)

## Projects

### Open Source Java 3D Engine ([github.com/no8-lightning-man/zener](https://github.com/no8-lightning-man/zener)) (2013.12-2014.9)

a Data-Centered Entity System 3D Game engine

- Write almost 50K lines of Java code and dozens of pages documentation and instruction
- Understand and utilize many different design patterns such as data-centered design and component-based design in game engine architectures to overcome the drawbacks of current engines
- Learn about computer graphics, GUI Design, Game Design, TCP/UDP networking, Git.
- Work as a contributor of the world best open source Java GUI framework -- Nifty-Gui, and my name was put on the webpage of its 1.4 release.

### “My Minecraft Shop” project ([mymcshop.com](http://mymcshop.com)) (2013.6-2013.9)

An integrated Minecraft Server shopping and website system

- As a leader of 6 members team and main developer, organized a online meeting every week to discuss and decide the discipline of our team, the objectives and implementation of our product and the detailed schedule of the development. Finally, We sold 12 copies of the system for 6000RMB in China.
- Implement sockets communication between PHP Web Server and Java Game Server to achieve real-time virtual good transaction.
- Fix bugs of Alipay Drupal addon (Alipay is a payment method in China like paypal in US) to support Chinese Alipay payment method.

### Deadline Manager -Facebook Hackathon (Written in Java and C#) (2013)

### Oier C++ (IDE for algorithm competition (Written in C# .Net)

(<http://www.n8lm.cn/product/?id=1>) (2008-2010)

### No.8 Lightning Man Studio Web Design ([www.n8lm.cn](http://www.n8lm.cn)) (2009)

## Award & Honors

- 2013 ACM-ICPC Washington Site 1<sup>st</sup> place and PacNW Regional 7<sup>th</sup> place.
- 2012 Chinese National Olympiad Informatics (NOI) Competition Bronze Medal