

# WENJIE YANG

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## 🎓 EDUCATION

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**Shanghai Jiao Tong University (SJTU)**, Shanghai, China 2013 – Present  
*B.S. in Computer Science (CS)*, expected June 2017, 89.80/100

## 👥 EXPERIENCE

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**ADAPT lab** Shanghai, China 2015 – Present  
*Research Intern* Director: Kenny Zhu

**YOS Kernel** Mar. 2015 – Jun. 2015  
*C* Individual Project  
An exokernel style operating system kernel

- Experience with handling interruptions using C
- Create a Round-Robin scheduler to run multiple processes on a single CPU
- To support multi-processor, create symmetric multiprocessing system

**OAT Language Compiler** Jul. 2015 – Aug. 2015  
*OCaml* Individual Project  
An OOP programming language compiler

- Build a LLVM Lite IR for this compiler, which is a subset of LLVM
- Design a static analysis framework to support analysis and optimization

**Emotion Music** Nov. 2015 – Nov. 2015  
*Python* Collaborated with Jin Jiajun, Wang Yuxi, Wu Xiaofan  
A music recommend system based on users' emotion

- Classification algorithm using SVM with latent variables
- Performs 10-15 % better than usual SVM

**SimpleDB DBMS** Jan. 2016 – Feb. 2016  
*Java* Individual Project

- Implement strict two-phases locking
- Support rollback and recovery

## ⚙️ SKILLS

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- Programming Languages: C, Java, Python, Golang, Scala, Lisp, OCaml
- Platform: Linux, OSX
- Development: Type system, Static analysis, Distributed system

## ♥️ HONORS AND AWARDS

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*2<sup>nd</sup> Prize*, Shanghai Jiao Tong University Scholarship Sep. 2014  
*1<sup>st</sup> Prize*, Chinese Physics Olympiad, Jiangsu Province Oct. 2012  
*1<sup>st</sup> Prize*, National Olympiad in Informatics in Jiangsu Province Nov. 2010

## 📖 MISCELLANEOUS

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- Blog: <http://blog.ivanyang.me> , GitHub: <https://github.com/mrmiywj>
- Languages: English - Fluent, Mandarin, Wu Chinese - Native speaker