Zhengyao Lin　林正耀

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Education

University of Illinois at Urbana Champaign	2018 - present
B.S. in Computer Science and Linguistics	

Carnegie Mellon University　　June 2017 - Aug 2017
Pre-college program, Computer Science and Math

Zhejiang University　　July 2016 - Aug 2016
Summer program, Computer Systems

Hangzhou Foreign Languages School　　2015 - 2018
Cambridge A-Level Center

Projects

Tucker, Bitcoin full node implementation　　Jan 2018 - present
Haskell, C, individual project, github.com/rod-lin/tucker

- Implemented basic Bitcoin protocol(block verification, blockchain, peer service, PC mining, etc.)
- Implemented csv(BIP 68, 112, 113) and segwit(BIP 141, 143, 147) softforks
- Other supported BIPs: 9(version bits), 32(HD wallets), 39(mnemonic codes), etc.
- Partial support for Bitcoin Gold(equihash)
- Currently working on RPC and wallet support

ink & ivm, dynamically typed language and its vm backend　　Nov 2015 - Aug 2017
C, individual project, github.com/rod-lin/ivm, github.com/rod-lin/ink

Features:
- Native supported coroutine and threading
- Prototype-based
- Dynamic features: operator overloading, meta programming, etc.
- Performance close to CPython(80% - 105%)
- Support for *nix and Windows
- Several basic utility modules

Foci, event organizing website　　Jan 2017 - Feb 2018
Web, Node.js, individual project, foci.me

Phi, C-like language　　Feb 2015 - Aug 2015
C++, llvm, individual project, github.com/rod-lin/ivm

Bitcoin.org, Bitcoin website & documentation　　Jun 2018
Contributor, github.com/bitcoin-dot-org/bitcoin.org

Skills

Programming Languages: C == Haskell > Python > Node.js == Web == C++
Familiar with Bitcoin protocol
Compiler & virtual machine design(basic)
Languages: English(TOEFL 109/120, ACT 34/36), Chinese(native)

Honors

NOIP 2nd Prize, Zhejiang Province	Nov 2014
FLL 2015 1st Place, Zhejiang Province	Feb 2015
FLL 2016 4th Place, Zhejiang Province	Feb 2016
RoboCup Junior 2016 2nd Prize, China	April 2016