

Zhengyao Lin 林正耀

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Education

University of Illinois at Urbana Champaign B.S. in Computer Science and Linguistics	2018 - present
Carnegie Mellon University Pre-college program, Computer Science and Math	June 2017 - Aug 2017
Zhejiang University Summer program, Computer Systems	July 2016 - Aug 2016
Hangzhou Foreign Languages School Cambridge A-Level Center	2015 - 2018

Projects

Tucker, Bitcoin full node implementation 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	Jan 2018 - present
ink & ivm, dynamically typed language and its vm backend C, individual project, github.com/rod-lin/ivm , github.com/rod-lin/ink Features: <ul style="list-style-type: none">• 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	Nov 2015 - Aug 2017
Foci, event organizing website Web, Node.js, individual project, foci.me	Jan 2017 - Feb 2018
Phi, C-like language C++, llvm, individual project, github.com/rod-lin/ivm	Feb 2015 - Aug 2015
Bitcoin.org, Bitcoin website & documentation Contributor, github.com/bitcoin-dot-org/bitcoin.org	Jun 2018

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