
Info

- Name: Xie Yuheng
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 - Given Name: Yuheng
- Born: January 15, 1992 in YinChuan, China
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Education

- B.S. (Mathematics) Sun Yat-sen University, 2015

Experience

- 2019-06 - 2019-08:
 - Company: Tehang, ShenZhen
 - Contribution:
 - Teaching colleagues about functional programming (typeclass, monad)
 - Third party data sync (scala, akka stream, postgres)
 - International hotel API (scala, akka stream, akka http)
 - Ontology based data integration solution, design and implementation
 - Propagator model based web crawler framework, design
 - Tech: scala, akka stream
- 2018-11 - 2019-02:
 - Company: ChangChunLiXiang Tech, China, Beijing
 - Contribution: data mining algorithms, anomaly detection, root cause analysis
 - Tech: python, pandas, numpy
- 2018-03 - 2018-05:
 - Company: InBlockchain, pxn.one, China, Beijing
 - Contribution: web backend, graphql API
 - Tech: elixir, postgresql
- 2017-11 - 2018-02:

- Company: RiceQuant.com, China, ShenZhen
- Contribution: web backend, trading strategies
- Tech: python, pandas, numpy, flask, mongodb

Teachings

- Assembly Language Experiments, SYSU, 2015 ([Homepage](#)) ([Group](#))
 - Implementing Forth interpreter in assembly language

Projects

Geometric Modeling

- [cell-complex](#) – Libraries and tools for topological and geometric modeling
- 2019-05-08: A Recursive Combinatorial Description of cell-complex ([paper](#))

Programming Language Design

- 2018-07-22: Semantic of De Bruijn Notation and Bizarre Syntax Adventure ([paper](#))
- 2018-07-18: Fulfilling Type System ([paper](#))
- 2018-06-20: Dependent category ([paper](#))
- 2016-06-14: Function compose, Type cut, and The algebra of logic ([paper](#)) ([pdf](#)) ([demo](#))
 - ICFP 2016, Nara, Japan