Cheng Zhang

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Education

Wheaton College, Norton, MA Sep. 2014 - Present

CANDIDATE FOR BACHELOR OF ART, EXPECTED MAY 2018

Major in Mathematics, Minor in Computer Science and Economics.
Major GPA: 3.9, General GPA: 3.84.
Honors: Dean's List (for all the 4 semesters), Wheaton Fellow, Faculty Student Grant.

London School Of Economics, London, England Sep. 2016 - Jun. 2017

STUDY ABOARD

Completed course work: Principles of Econometrics, Microeconomic Principles II, Game Theory, Algebra and Number Theory, Algebra and its Applications.

Publications

Zhang, C., LeBlanc, M. D., Kleinman, S., Feng, W., Steffens, E., Landaluce, d. A., *(in peer review)* ``Lexos 2017: Building Reliable Software in Python'' *CCSCNE 2018 – Conference for Computing in Small Colleges, UNH-Manchester, April 2018*

Skills

Programming Languages

Experienced in Python and Powershell.
Familiar with Haskell, F#, Coq, TypeScript, JavaScript and LaTeX.
Basic idris, Scala, Elm, C#, C++ and Java.

Languages

Fluent in English, Native Speaker in Chinese.

Experiences

Mathematics Honor Thesis Sep. 2017 - Present

WHEATON COLLEGE MATHEMATICS DEPARTMENT, NORTON, MA

Research on graph tournament, inspired by King Chicken Theorem. My research focus on the kings behavior in improper tournaments (tournaments with ties).

Open-source Contributor Sep. 2014 - Present

CONTRIBUTOR TO MANY OPEN SOURCE PROJECTS

Core developer of Awesome-Powershell, PSGitHub. Contribute Ideas to python/typing, mypy and VSCoq. Help to provide Minor improvement to FStar and many other Projects.

Software Leader Jun. 2015 - Dec. 2017

LEXOMICS RESEARCH GROUP, WHEATON COLLEGE, NORTON, MA

- Lead the development of Lexos, a web app for text analysis workflow.
- Help the team to adopt modern software development paradigm and workflow.
- Designed a new architecture and a new python style guide for the project.

Independent Mathematics Research Jun. 2016 - Jul. 2016

WHEATON COLLEGE MATHEMATICS DEPARTMENT, NORTON, MA

Work with Prof. Leibowitz on the topic of Divisibility Graph. Found a way to construct prime divisibility graph directly, and a way to construct divisibility graph based on its factors.

Projects

PythonZ Sep. 2017 - Present

FUNCTIONAL PROGRAMMING IN PYTHON

Project still in development. This project aims to showcase python's new type system, and implement type safe functional feature in python.

Markdown for Academia Mar. 2017 - Apr. 2017

AN EASY TO USE MARKUP LANGUAGE DESIGNED FOR ACADEMIC WRITING

Semitics based on pandoc markdown, added many more feature to support academic writing.
Can be compiled easily to HTML, PDF, LaTeX and many other formats.

Employment

Senior Student Technician Sep 2015 - Present

TEST

test

Math CS Grader Sep 2017 - Present

GRADER FOR THEORY OF PROBABILITY

Grade the homework on theory of probability, and send the data analysis (grade distribution and error reason distribution) of the homework back to the professor every week.