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: EC221 Principles of Econometrics, EC202 Microeconomic Principles II, MA300 Game Theory, MA211 Algebra and Number Theory, MA315 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

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.