Cheng Zhang

GITHUB Chantisnake   **EMAIL** zcsx.ok at outlook dot com   **PHONE** (+1)508-818-8290

Education	**Wheaton College**	Sep. 2014 - Jun. 2018

BACHELOR OF ART IN MATHEMATICS

Major in Mathematics, Minor in Computer Science and Economics
Will complete 42 credit hours. Current 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   Sep. 2016 - Jun. 2017

STUDY ABOARD

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

Experience

Software Leader   Jun. 2015 - Dec. 2017

LEXOMICS RESEARCH TEAM

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.

Mathematics Research   Jun. 2016 - Jul. 2016

WHEATON COLLEGE MATHEMATICS DEPARTMENT

Work with Prof. leibowitz on the topic of Divisibility Graph.

Mathematics Research   Sep. 2017 - Jun. 2018

HONOR THESIS

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

Open-source Contributor   Sep. 2014 - present

CONTRIBUTOR TO MANY OPEN SOURCE PROJECT

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

Skills

Mathematics Fields

Experienced in Graph Theory.
Familiar with:
- Topology, Complex Analysis, Real Analysis and Algebra.
- Combinatorics, Game Theory, Probability and Mathematical Statistics.

Programming Languages

Experienced in Python and Powershell.
Familiar with Haskell, F#, Coq, TypeScript, JavaScript and LaTeX.
Knows the basic about idris, Scala, Elm.

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.