

Cheng Zhang

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Education	<p>Wheaton College, Norton, MA Sep. 2014 - Present</p> <p>CANDIDATE FOR BACHELOR OF ART, EXPECTED MAY 2018</p> <p>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.</p> <p>London School Of Economics, London, England Sep. 2016 - Jun. 2017</p> <p>STUDY ABOARD</p> <p>Completed course work: Principles of Econometrics, Microeconomic Principles II, Game Theory, Algebra and Number Theory, Algebra and its Applications.</p>
Publications & Talks	<p>Zhang. C. Kings in Quasi-transitive Oriented Graph <i>Wheaton Summit For Woman In STEM, 2018</i></p> <p>Zhang. C., Feng. W., Steffens. E., Landaluce d. A., Kleinman S., LeBlanc D. M. Lexos 2017: Building Reliable Software in Python <i>CCSCNE 2018 – Conference for Computing in Small Colleges, UNH-Manchester, April 2018</i></p>
Skills	<p>Programming Languages</p> <p>Experienced in Python and Powershell. Familiar with Haskell, F#, Coq, TypeScript, JavaScript and \LaTeX. Basic idris, Scala, Elm, C#, C++ and Java.</p> <p>Languages</p> <p>Fluent in English, Native Speaker in Chinese.</p>
Experiences	<p>Mathematics Honor Thesis Sep. 2017 - Present</p> <p>WHEATON COLLEGE MATHEMATICS DEPARTMENT, NORTON, MA</p> <p>Research on graph tournament, inspired by King Chicken Theorem. My research focus on the kings behavior in improper tournaments (tournaments with ties).</p> <p>Software Leader Jun. 2015 - Present</p> <p>LEXOMICS RESEARCH GROUP, WHEATON COLLEGE, NORTON, MA</p> <ul style="list-style-type: none">- 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. <p>Open-source Contributor Sep. 2014 - Present</p> <p>CONTRIBUTOR TO MANY OPEN SOURCE PROJECTS</p> <p>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.</p> <p>Independent Mathematics Research Jun. 2016 - Jul. 2016</p> <p>WHEATON COLLEGE MATHEMATICS DEPARTMENT, NORTON, MA</p> <p>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.</p>

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 typed functional feature in python.

Markdown for Academia

Mar. 2017 - Apr. 2017

AN EASY TO USE MARKUP LANGUAGE DESIGNED FOR ACADEMIC WRITING

Semantics 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

Student Technician

Sep 2015 - Present

SECOND LEVEL TECHNICAL POSITION WORKING IN THE ITSS HELP DESK

First line of communication with end users. High level of Customer Service is a major part of this position.
Experienced with computer hardware and software.

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.