

Cheng Zhang

Curriculum vitae

Education

- 2018 — Now **Doctor of Philosophy, Thoertical Computer Science**, Boston University, Boston, MA.
Research Interests: Formal Logic, Type Thoery, Category Thoery, Homotopy Type Theory.
- 2014 — 2018 **Bachelor of Art, Mathematics**, *with department honor, magna cume laude*, Wheaton College, Norton, MA.
Minor in Computer Science and Economics. Major GPA: 3.87, Overall GPA: 3.83
Honors and Fellowships: Dean's Lists, 2014, 2015, 2016, 2017, 2018; Wheaton Fellows, 2016; Faculty-Student Research Awards, 2017
Honor Thesis: King in Generalized Tournaments.
- 2016 — 2017 **Study Aboard, Economics**, London School Of Economics, London, United Kingdom.

Honors

- 2018 — Now A member of Phi Beta Kappa.
- 2018 Madeleine F. Clark Wallace Mathematics Prize.
Fred Kollett Prize in Mathematics & Computer Science.
Phi Beta Kappa Graduate Scholarship.

Publications

- 2018 **Zhang C.**, *King in Generalized Tournaments*, Wheaton College Honor Thesis.
- 2018 **Zhang C., Feng W., Steffens E., Landaluce A., Kleinman S., LeBlanc D. M.**, *Lexos 2017: Building Reliable Software in Python*, Conference for Computing in Small Colleges, UNH-Manchester.

Talks

- 2018 **Zhang C., LeBlanc D. M.**, *Lexos 2017: Building Reliable Software in Python*, Conference for Computing in Small Colleges, UNH-Manchester.
- 2018 **Zhang C.**, *Kings in Quasi-transitive Oriented Graph*, Wheaton Summit For Woman In STEM.

Research Projects

- 2017 — 2018 **Mathematics Honor Thesis**, *Wheaton College Mathematics Department*, Norton, MA.
Studies kings in generalization of tournament, with a special focus on quasi-transitive oriented graph.
- 2015 — 2018 **Software Leader**, *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.

Skills

- Programming Languages Experienced in Python and Powershell. Familiar with Haskell, F#, Coq, TypeScript, JavaScript and L^AT_EX. Basic idris, Scala, Elm, C#, C++ and Java.
- Languages Fluent in English, Native Speaker in Chinese.

Employment

- 2015 — 2018 **Student Technician**, *Wheaton College Technology Support*, Norton, MA.
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.
- 2017 — 2018 **Math CS Grader**, *Wheaton College Department of Mathematics*, Norton, MA.
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.