

# Cheng Zhang

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## Curriculum vitae

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### 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.

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### 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.

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### Publications

- 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.

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### 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  $\text{\LaTeX}$ . 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.