

# Jonathan Allen

*Mathematics*

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## Work History

- 2014 – Present **Teaching Assistant**, *North Dakota State University*, Fargo, ND.  
Precalculus level algebra
- Prepare and present classroom material.
  - Provide one on one assistance for my students.
  - Grade homework, quizzes, exams, etc.
- 2003 – 2014 **Food Service**, *McDonald's and Papa John's*, Minot, ND and Fargo, ND.  
Miscellaneous preparation management and transportation tasks
- Purchase and track food, supplies, and other inventory.
  - Tracking/manage tills and bank deposits
  - Manage hourly profit, cost, labor, and scheduling
  - Product transportation
- 2002 – 2003 **Programmer**, *North Dakota Center for Persons with Disabilities*, Minot, ND.  
Miscellaneous programming tasks
- Use C++ and Win32 to maintain and create accessibility software.
  - Use Active Server Pages to create and maintain web applications.
  - Use SQL to interface with database back ends.
  - Design and maintain MSSQL and Oracle databases.

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## Schooling

- Present **North Dakota State University**, *Fargo, ND*.  
Bachelor of Arts in Mathematics anticipated in December 2015.
- Elective credits balanced between algebraic and analysis topics.
- 2001-2005 **Minot State University**, *Minot, ND*.  
Computer Science, Mathematics, Physics coursework
- Completed basic programming coursework
  - Completed all data structures and algorithms coursework
  - Completed a concentration in physics.

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## Technical Achievements

- 2013 **ArchNexus**, <http://www.github.com/archnexus>.  
Created Linux distribution for tablet computers.
- 2008 – 2011 **yCurses**, <http://www.github.com/ylixir/ycurses>.  
Created ncurses bindings for the D programming language.
- 2010 – 2011 **Yaed**, <http://www.github.com/ylixir/yaed>.  
Cross platform text editor.
- 2015 **Lerna**, <http://www.github.com/ylixir/lerna>.  
Web browser with lua scripting support.

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## Proficiency

- Expertise  $\text{\LaTeX}$ , C/C++, sh, Lua, git
- Experience D, Python, PHP, SQL, HTML, CSS, Visual Basic, javascript, vala
- Language English, French