

Jonathan Allen

Mathematics and Computer Programming

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Objective

Obtain a positive which requires my knowledge of computer programming and advanced mathematics.

Education

- 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.

Skills

- Expertise \LaTeX , C/C++, sh, Lua, git
Experience D, Python, PHP, SQL, HTML, CSS, Visual Basic, javascript, vala

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.

Related Experience

- 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.
- 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.