

Jonathan David Page

EDUCATION

August 2011 to May 2015 (expected) **Mathematics Bachelor of Sciences**, *North Carolina State University*, Raleigh, NC.

- Minor in **Computer Programming**
- Minor in **Creative Writing**

GPA: Cumulative **3.418**, Major **3.177**, Minors **3.333** & **3.500** respectively

Awards: Goodnight Scholar, National Merit Scholar

WORK EXPERIENCE

August 2014 to Present **Lab TA for Python (CSC 111)**, *NCSU Department of Computer Science*, Raleigh, NC.

- Teaching a brief lecture at the beginning of each lab
- Helping students work through exercises and homeworks
- Holding two office hours every week
- Helping refine course materials
- Mentoring newer TAs

May–August 2014 & May–August 2013 **Junior Software Engineer**, *e3 Retail LLC*, Raleigh, NC.

- Helped design, build, and maintain internal APIs using Microsoft technologies
- Maintained customer demo branch of product backend
- Rewrote internal database editing tool to use WPF
- Implemented backend mockup to facilitate frontend development

September 2012 to May 2013 **Undergraduate Researcher**, *NCSU Department of Mathematics*, Raleigh, NC.

- Worked under **Dr. J. D. Hauenstein**, Asst Professor
- Developed a custom arbitrary-precision numerics library supporting complex-valued scalar and matrix operations
- Projects written in C targeting Linux using Cmake (previously Autotools), employing GMPlib

- May–August 2012 **Junior Software Engineer**, *echoBase Inc.*, Wake Forest, NC.
& June–August 2011
 - Improved administration interface
 - Designed new authentication/authorization system
 - Implemented additional features in the mailing system
 - Worked on integration targets
- Summer, Fall 2012 **Web Presence Consultant**, *Wake Weekly, Inc.*, Wake Forest, NC.
& Summer, Fall 2011
 - Provided consultation services for local newspaper for an upcoming web presence refresh
 - Implemented online version of “Best of the Best” contest using custom PHP solution

LANGUAGES AND TOOLS

Proficient with: Python (2 and 3), C, C#, Java, Javascript, Tcl/Tk
Prior experience with: Rust, Ruby, C++, Go, PHP, Haskell
Selected technologies: Linux (esp. Fedora and RHEL-like), Mac OS X, Windows, .NET Framework 4.5 (incl. LINQ, WPF, Workflow), Java EE, JQuery, HTML5, HL7, Docker

EXTRACURRICULAR

- Spring 2013 Public Relations Officer, NCSU Linux User Group.
- Fall 2011 **IEEEExtreme 5.0**, *IEEE*, 96th place out of 1516 registered teams worldwide.
Solved as many programming puzzles as possible within 24 hours with two other team members.
- Spring 2011 **Web Challenge**, *Technology Association of Georgia*, 3rd place in category.
With 2 other team members, built a webapp designed to enable students to grasp orbital dynamics through a combination of self-directed and guided sessions. (C#, Silverlight/WPF)
- Spring 2010 **Web Challenge**, *Technology Association of Georgia*, 1st place in category.
With 2 other team members, designed and partially implemented an online educational game based on chemistry concepts. (PHP, JQuery)
- Interests & Hobbies: **Science fiction & fantasy literature**, strategy games, **physics**, astronomy, **mythology**, running, **creative writing**, drawing, **programming**, graphic design & typography, **cooking**