

January 12, 2016

## CURRICULUM VITAE

SCOTT D. WOODS

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## EDUCATION

M.S. 2016 Statistics, Portland State University (*projected graduation June 2016*)  
B.S. 2014 Mathematics, Science, Physics (minor) *magna cum laude*, Portland State University

## PROFESSIONAL EXPERIENCE

**Portland State University** — Portland, OR 2013 - present

*Graduate Teaching Assistant - Statistics (2014 - present)*

- Taught courses in intermediate algebra and introductory probability and statistics, including a special statistics sequence for business majors. Drafted the overall course structure with differentiated instruction in mind, prepared thought-provoking and accessible lectures, assembled online interactive homework components, composed labs using statistical software, and created group discovery activities that showed the relationship between mathematical concepts and everyday life to engage and motivate students.
- Led recitations for statistics courses, working closely with a leading professor to complement large lecture hall sections with additional written group activities and worksheets, supplementary example exercises, and exam review lectures.
- Tutored in the statistics lab, providing additional support for other instructors' courses and helping students with their work in Minitab, Excel, and SPSS.

*Grader - Math and statistics (2013 - present)*

- Gained experience with evaluating learning outcomes under the rubric and supervision of math and statistics professors. Courses included differential equations, vector calculus, introductory statistics, statistics for scientists and engineers (calculus based), and mathematical statistics (proof based).

*Undergraduate Mentor (2013)*

- Responsibilities consisted of grading, exam proctoring, group activity support, and an assigned class lecture. Gained experience in various teaching methods by observing established instructors.

**Clackamas Community College** — Oregon City, OR 2010 - 2011

*Math Lab Tutor (2010 - 2011)*

- Tutored college students in all aspects of the 100- and 200-level math curriculum, including college algebra, calculus, differential equations, linear algebra, and statistics.
- Provided private tutoring in first year engineering classes and physics with calculus.
- Developed excellent communication skills with a highly diverse student body including international students, underprivileged and underrepresented groups, and students older than the traditional undergraduate age range.

## **Technologic Corporation** — Beaverton, OR 2001 - 2009

*Founder and CEO (2001-2009)*

- Business focused mainly on building high-end performance systems and maximizing computational power using after-market hardware solutions and software optimizations.
- Oversaw the assembly, repair, and administration of a variety of PC-based systems.
- Developed employee skills using a lead-by-example management style, which has inspired my dynamic and interactive teaching style.

### TECHNOLOGY

Hardware: Windows and Linux based PC systems, full range of TI calculators.

Software: R, SAS, Minitab, SPSS, Maple, Microsoft Office Suite including Excel, Microsoft Visual Studio using C/C++ and VB.NET, OpenOffice, WinPlot.

### ADDITIONAL SKILLS

- Experienced in web-based education, including Pearson My\*Lab, Desire2Learn, and ALEKS (now a part of McGraw-Hill).
- Knowledgeable in TI BASIC programming to create interactive applications for missing or incomplete statistical and mathematical computations in TI calculators.
- Extensive programming experience in C/C++ and VB.NET for Windows-based systems, from library to application level.
- CompTIA A+ certified computer technician capable of construction, repair, and administration of PC-based systems.
- Working knowledge of Spanish and Russian with an enthusiastic desire to improve language skills.
- Physics coursework and business background provide a plethora of practical examples of statistics and mathematics in real-life situations, especially for service courses geared towards business majors, engineers, and scientists.

### PROFESSIONAL DEVELOPMENT

- Desire2Learn and Teaching with Technology Workshop offered by PSU Office of Academic Innovation, 04/15/2015.
- Ethnomathematics Topics Course CI-510: the class examined the process of knowledge construction in mathematics with attention to the complex role that culture plays in augmenting, supporting, or denying it, Spring term 2015.
- Creating a Culture of Respect and Creating a Safe Campus diversity and discrimination course for PSU instructors, Winter term 2015.
- PSU Office of Academic Innovation seminar on teaching strategies for diverse learning styles, 09/25/2014.
- McGraw-Hill presentation on using ALEKS software for course development and learning outcome evaluations, 09/24/2014.
- Pearson seminar on integrating MyMathLab software effectively in the classroom, 09/22/2014.
- PSU Textbook Affordability Committee participant, Fall term 2014.

## COMMUNITY ENGAGEMENT

- Immigrant and Refugee Community Organization FACES program, 2011-2013. Provided free math tutoring for immigrant and refugee students at elementary and middle school level.
- Hacienda CDC, 2011-2013. Met with K-8 students in their homes to tutor math, science, and English. Families were mostly first generation immigrants from Latin America and Somalia, where students had the unique challenge of transitioning between their English speaking schools and non-English speaking parents at home.
- Get Artsy with Multicultural Kids, 12/10/2014. Gave presentation on fractals in art with an activity for the mostly Somali, Burmese, and Nepali children to integrate fractal geometry in their own drawings.

## HONORS AND AWARDS

- F. S. Cater Prize in Mathematical Sciences, 2015
- Portland State Supplemental Tuition Grant, 2012-2013
- Oscar Larsen Rotary Pioneer Scholar, 2011
- NASA National Community College Aerospace Scholar, 2010

## ASSOCIATIONS

- Mathematical Association of America, *member* 2014 - present
- American Mathematical Society, *member* 2014 - present
- American Statistical Association, *member* 2015 - present
- Pi Mu Epsilon, National Mathematics Honor Society, *member* 2012 - present