Ellen Widerski

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Permanent Address
2123 Commonwealth Ave
Madison, WI 53726

Education

Luther College, Decorah, IA   May 2016
B.A. in Mathematics and Computer Science
Major GPA: 3.957

Relative Course Work, Luther College

Teaching Practicum, Introduction to Computer Science I and II, Discrete Structures, Software Design and Development, Programming Languages, Advanced Data Structures and Algorithms, Internet Programming, Computer Architecture, Database Management, Machine Learning, Computer Science Senior Project

Computer Skills

Adobe Photoshop, Illustrator, InDesign, iOS, OSX, Linux, Windows OS, Publisher, PowerPoint, Windows Server, Word, Excel

Computer Languages

Python, C++, C#, Java, Visual Basic, HTML, CSS, JavaScript, PHP, SQL, PowerShell

Work Experience

Luther College Math Department, Luther College, Decorah, IA   June 2015—July 2015
Student Researcher
- Worked with two other students to study the BTW sandpile model and the Cartesian square of the Chacon map
- Submitted two papers for publishing on the sandpile model
- Presented three posters at Mid-states Consortium

Student Academic Support Center, Luther College, Decorah, IA   September 2014 – Present
Math Tutor
- Worked with students weekly to promote independent study habits
- Prepared lessons to drive discussion and questions during appointments
- Led sessions with a small group of students with a co-tutor

Envision IT, LLC, Madison, WI   June 2014 – August 2014
Intern

- Worked with teams focused in software development, hardware, support, and networking
- Participated and contributed in a weekly staff update meeting
- Learned new languages, programs, and hardware by implementing small projects:
    - Customized LabTech server reports
    - Managed clients' servers through LabTech
    - Setup Windows Servers, VMware, ESXi, Hyper-V

- Updated PHP code and wrote SQL queries for the company's CMS
- Designed a PowerShell script to filter and reorganize large amounts of licensing data, followed by further optimization for reduced run-time
- Enterprise antivirus/endpoint security (Kaspersky Antivirus)
- Wrote a complex Excel VBA macro to simplify and secure the client's financial workbook

Noodles & Company IT Department, Boulder, CO   January 2014
Intern
- Worked with a small team of IT Support Specialists
- Contributed to a SharePoint enterprise portal project
- Observed and assisted IT support calls

Activities and Honors

- Dean's List, President's Scholarship, Weston Noble Music Scholarship, Music Lesson Scholarship
- Luther College Robotics Society
- 2014 ACM Programming Competition
- 2015 Iowa Collegiate Mathematics Competition
- Mathematical Association of America (MAA) Conference

- Member of Pi Mu Epsilon Mathematics Society
- Brass Quintet and French Horn Ensemble
- Luther College Concert Band, Jazz Band, Wind and Percussion Ensemble, Marching Band