

# Monica Smith

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## EDUCATION

Smith College, Northampton, MA

Bachelor of Arts in Computer Science, expected graduation: May 2016

### ***Relevant Coursework:***

Introductory Python, Circuit Theory, Mechanics, Strength of Materials, Thermodynamics, Calculus I, Calculus II, Programming with Data Structures, Computer Graphics, Linear Algebra, Advanced Programming Technique, Algorithms, Discrete Mathematics, Microprocessors and Assembly Language, Theoretical Foundations, Mobile and Locative Computing.

## SKILLS

Technical: Python, Java, Django, Mathematica, HTML, and OpenGL

Languages: Conversational Spanish

## EXPERIENCE

### **Smith College, Computer Science Department – Teaching Assistant (Sept – present)**

- Teaching assistant for Introduction to Programming using python (CSC 111)
- Help students with question they may have regarding homework, lab, and programming concepts

### **Serious Technology, Weymouth, MA- Django Web Development Intern (June – present)**

- Built a timesheet application to log hours of work, run reports on time spent on a specific project, and added QuickBooks exporting feature.
- Working on fixing bugs for customers and adding features upon request

### **Smith Undergraduate Research Fellowship (SURF) Research Student (Summer 2014)**

Project: Computational Infrastructure For Predicting Auxetic Behavior in Crystalline Materials (funded by NSF)

- Currently working on developing a GUI using PHP and Jmol (Java Molecular visualizer) to integrate into the Kinari software.
- GUI will help predict if the any of the observed crystalline structures exhibit Auxetic behavior

### **Summer Science and Engineering Program - Robotics Teaching Assistant**

- Office of Non-degree Programs, Smith College (Jul-Aug 2013)
- Robotics course focused on the basic structure of programming through the use of LEGO MINDSTORMS
- The course allowed students to understand the engineering design cycle
- Helped prepare course material
- Taught students how create their own web pages using HTML and JavaScript