

# EMILY R. CREAGER

(520) 314 - 6680 ◊ EmilyRCreager@gmail.com

## SKILLS

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<b>Languages</b>	JavaScript, C, HTML5, CSS3, Microsoft SQL Server, MySQL
<b>Tools</b>	Mercurial, Git, SVN, Bugzilla, JIRA, Unix, Microsoft Office Suite
<b>IDEs</b>	Visual Studio, Brackets, Microsoft SQL Server Management Studio, emacs

## EXPERIENCE

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**Mozilla Foundation, *Volunteer Software Developer*** 05/2017 - Present

- Contribute to front-end of Firefox source code using JavaScript, HTML, & CSS.
- Develop, revise, and submit patches for bugs with Mercurial, Unix, & Bugzilla.
- Employ desirable coding practices by following Mozilla coding style guide.

**Solium Capital, Inc., *Implementation Manager*** 07/2016 - 05/2017

- Developed, adapted, and maintained SQL scripts to individual databases.
- Managed 15 client projects, time lines, and configurations simultaneously.
- Analyzed data for logical inconsistencies during extraction with SQL.
- Fully documented all major steps of each project in JIRA and Confluence.
- Provided training and technical support for clients.

**Accelerator Mass Spectrometry Laboratory, *Research Assistant*** 05/2014 - 05/2016

- Designed and constructed high precision gas ionization detector coupled with solid state detector.
- Simulated electric fields within detector using MATLAB.
- Fabricated silicon nitride foils through UV lithography & plasma etching.
- Created technical illustration of detector using SolidWorks.
- Determined detector specifics by modeling ion interaction.
- Improved signal of previous gas ionization detector.

**Women in Science & Engineering, *Vice President & Team Lead*** 08/2013 - 12/2014

- Internally promoted to Vice President after proving to be a strong team member.
- Resolved conflicts and managed relationships with multidisciplinary team.
- Participated in Executive Council to manage projects and intern professional development.
- Implemented experiential curriculum at conferences, mentoring programs, and expositions.
- Workshops attended: “Scientific Writing & Communication,” “Personal Leadership Styles,” and “Public Speaking.”

## EDUCATION

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**University of Arizona** 05/2016  
Bachelor of Science, *Physics*

### Courses

Making Webpages Interactive  
Intro to JavaScript: Drawing & Animation  
Intro to HTML/CSS: Making Webpages  
Intro to SQL: Querying and Managing Data  
Computational Physics I & II  
Experimental Physics I & II  
Quantum Theory I & II

### Applied Technologies

jQuery, JavaScript, HTML5, CSS3  
JavaScript, ProcessingJS  
HTML5, CSS3  
MySQL  
C, Unix, emacs  
IGOR, MATLAB, LaTeX