Sarah Guermond
Seattle, WA

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Skills

Computing		Languages
Python / Django	R	Fluent in French
Ruby / Rails / Sinatra	Bioinformatics data analysis	Limited proficiency in written
HTML / CSS	Shell scripting	& spoken German, Spanish
JavaScript	Git version control	

Experience

Summer of Code Fellow, Rails Girls   *Seattle, WA*   Jul - Sep 2015

One of 16 two-person teams selected worldwide to contribute full-time to an open-source project and receive extensive educational and technical support over a 3-month period.

- Identified key issues with onboarding user experience through user interviews
- Designed new user onboarding process for code mentorship platform *exercism.io*
- Enhanced usability and speed for teams and dashboard features using Ruby, Sinatra, JavaScript, and Git
- Increased user engagement with code feedback suggestion feature using Ruby, Sinatra, SQL, and Git

Education Director, Geek Girls Carrots USA   *Seattle, WA*   Nov 2014 - Oct 2015

Board member of the Seattle branch of a global organization. Responsible for the creation and coordination of all educational programs and materials.

- Produced two 7-week instances of free project-centered programming and mentoring workshops, benefitting 24 female participants between college and retirement age
- Delivered detailed workshop materials to be used by 23 Geek Girls Carrots branches worldwide
- Modified and taught existing Django Carrots workshop material for PyCon 2015

Statistical Computing & Big Data Class, Oregon State University   *Corvallis, OR*   Apr - Jun 2014

Group projects in a graduate level statistics course focusing on tools and methodologies pertaining to big data handling, analysis, and visualization using R, SQL, and Git version control.

- Determined optimal departure time to minimize flight delays using Bureau of Transportation Statistics on-time flights data 1992-2013
- Explored the relationship between household income and housing ownership in all US states and Puerto Rico using American Community Survey data 2010-2012

Graduate Research Assistant, Oregon State University   *Corvallis, OR*   Sep 2012 - Sep 2014

Researcher in a state-of-the-art coral husbandry and genetics research facility

- Analyzed data from five coral larval transcriptomes to characterize early-life gene expression using Python, shell scripting, R, bioinformatics software
- Sequenced and assembled *de novo* transcriptomes of two coral species from 40 million sequences each using shell scripting, Python, bioinformatics software
- Designed and wrote two research proposals for the National Science Foundation

Education

Oregon State University   *Corvallis, OR*   2014

Master of Science in Zoology (concentration in Bioinformatics), minor in Statistics – *non-thesis*

The University of Texas at Austin   *Austin, TX*   2012

Bachelor of Science in Biology with Special Honors, Dean's Scholars Honors Program

University of Otago   *Dunedin, New Zealand*   Feb - Aug 2011

Study Abroad, concentration in Marine Biology and Statistics