

# Victoria Chistolini

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## EDUCATION

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### Colby College, Waterville, ME

**Bachelor of Arts, May 2018**

*Majors:* Mathematics *Concentration:* Statistics, and Computer Science

*GPA:* 3.89

*Awards:* Charles A. Dana Scholar, October 2015. Dean's List

### La Universidad de Salamanca, Salamanca, Spain

**September 2014-December 2014**

### Souhegan High School, Amherst, NH

**High School Diploma, June 2014**

AP Classes Taken: Calculus AB, BC, Physics C, French, Spanish, English Literature

## EXPERIENCE

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### IT/Programming Intern *Bigelow Laboratory for Ocean Sciences, East Boothbay, ME*

**Summer 2017**

- Wrote documentation for efficient usage of high-performance computers, including PBS Pro scheduler.
- Developed custom R-packages for forecasting model analysis, model selection and visualization.
- Developed interactive web application for forecast visualization using Google Maps JavaScript API.

### INBRE Research Fellowship *MDI Biological Laboratory, Bowdoin College*

**Summer 2016**

- Received funding to pursue research in bioinformatics from MDI Biological Laboratory and Maine IDEa Network of Biomedical Research Excellence (INBRE)
- Developed software in C to determine where short highly conserved sequences of DNA cluster on the genomes of different species.
- Created a basic web interface front end for the program.

### Tutor, Department of Computer Science *Colby College, Waterville, ME*

**Spring, Fall 2016**

- Meet privately with students on a weekly basis to review concepts, complete homework and programing assignments and prepare for weekly quizzes

### Charles A. Dana Scholar *Colby College, Waterville, ME*

**October 2015**

- Selected on the basis of strong academic performance and potential leadership

### Research Assistant, Department of Computer Science *Colby College, Waterville, ME*

**Summer 2015**

- Developed simulation software in Python for modeling sport induced concussions in the Maine high school athlete population
- Wrote software in Python to determine student athlete concussion statistics on demographic basis such as age, gender and sport played using the Maine Concussion Management Initiative (MCMI) database
- Used the statistics generated through the MCMI database analysis to simulate concussion results in order to develop annual concussion risk models and probability distributions

### Comparative Biology of Tissue Repair, Regeneration and Aging Symposium *MDI Biological Laboratory June 26-28 2015*

- Participated in full program of talks as well as the poster session of presenting authors

## VOLUNTEERING

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### Animal Rescue League of New Hampshire *Bedford, NH*

**Winter 2011-Summer 2013**

- Helped clean cat, dog and small animal cages
- Participated in programs to help socialize and train animals in order to prepare them for adoption

### Habitat for Humanity *Delaware, North Carolina*

**Spring 2012, Spring 2015**

- Participated in the construction of Habitat housing projects and collaborated with perspective homeowners