

# Margaret Arnold

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## EDUCATION

### UNIVERSITY AT BUFFALO, STATE UNIVERSITY OF NEW YORK

BS COMPUTER SCIENCE, BA MATHEMATICS

Expected May 2017 | GPA 3.79

Honors Scholar and Provost Scholarship Recipient

## EXPERIENCE

### THE UNIVERSITY OF TEXAS AT AUSTIN | UNDERGRADUATE RESEARCHER [R]

May 2015 - August 2015

- Created software solutions for a Chemical Engineering research lab that enabled more efficient methods of data manipulation and parsing for a number of RNA data sets
- Designed and implemented an interactive application using the Shiny web application framework that allows researchers to analyze trends in RNA-sequencing (transcriptome) data and predict the genomic location of small RNA

### UNIVERSITY AT BUFFALO | TEACHING ASSISTANT [JAVA]

August 2014 - Present

- Teach labs of 20-30 students for Introduction to Computer Science 1 and 2
- Conduct office hours to assist students outside of the classroom
- Help students to understand the basics of the Java programming language and computer science fundamentals

## LEADERSHIP

### ASSOCIATION FOR COMPUTING MACHINERY | PRESIDENT

May 2014 - Present

- Lead a team of four in holding weekly meetings, planning events and workshops including resume reviews and hack nights, and working with companies to coordinate networking and recruiting events
- Interface with club members to create an inclusive and welcoming community within the Computer Science and Engineering Department and maintain a successful club chapter of over 50 active members

### UB HACKING | ADVERTISING TEAM COORDINATOR

May 2014 - Present

- Lead a team of eight to promote, advertise, and contact other universities in order to bring 400 hackers to the University at Buffalo's annual hackathon by approving flyer designs and creating an advertising plan

### UNDERGRADUATE STUDENT ADVISORY BOARD

August 2015 - Present

- Communicate with a team of fifteen undergraduates to discuss and present to faculty necessary changes and improvements within the Computer Science and Engineering Department including starting a faculty-student mentor program and hosting the first departmental colloquium speaker to be chosen by the undergraduates

## SKILLS

### PROGRAMMING

Java, R, C++

### WEB

HTML, CSS

### OPERATING SYSTEMS

Mac OS, Linux, Windows