

# Anna Webber

85 Heather Road, Bangor, Maine

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## Education

University of Maine

Bachelor of Science in Biological Engineering | Minor in Computer Science

Cumulative GPA: 3.86/4.0

Expected Graduation: May 2019

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## Work Experience

Developer, Virtual Environment and Multimodal Interaction Lab, University of Maine

- Collaborative, project-oriented, work environment.
- Primary development of AR medical simulations in Swift for Zephyrus Simulations LLC.
- June 2018 - Present

Systems Engineering Co-Op, Instrumentation Laboratory

- Assay testing, troubleshooting, identifying design flaws, and resolving errors on hemostasis/chemiluminescence medical diagnostic instrument prototypes.
- Data analysis using Minitab, Excel, and Visual Basic.
- August 2016 - January 2017 & May 2017 - August 2017

Counselor, SELF Summer Camp, University of Maine

- Mentoring high school girls interested in pursuing higher education in STEM related fields and providing guidance on STEM related educational activities.
- June 2016, June 2018

Research Assistant, Department of Chemical and Biological Engineering, University of Maine

- Optimization of self replenishing immobilized liquid layers for use in anti-biofouling devices and controlled cell culture applications.
- January - May 2017
- Property testing of cellulose nanofibers for anti-biofouling applications.
- May - August 2016

Research Assistant, Department Of Mathematics, University of Maine

- Epidemiological modeling using R and Objective C programming languages.
  - Rigorous problem-solving environment.
  - June 2013 - August 2013 & June 2014 - August 2014
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## Other Experiences

Founding Member, ACM-W UMaine Chapter

- Organizing and participating in extra educational opportunities and outreach events related to the field of computing and emphasizing inclusion of women and minorities in such events.
- January 2017 - Present
- Vice President during 2018-2019 academic year.

Student, Universidad de Carlos III, Madrid

- Study abroad experience in Madrid, Spain.

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- January - June 2018

Au Pair, Olginiate, Italy

- Experience teaching English to a native Italian family.
- December 2018 - January 2019

Volunteer, Ross Manor Assisted Living

- Visiting Alzheimer's patients to improve quality of life
- March 2013 - March 2014

Volunteer, Eastern Maine Medical Center

- Answering nurse calls from patients and transporting materials to various departments.
- June 2012 - August 2012

Society of Women Engineers Member 2015-2017

Women's Ice Hockey Club Member 2015-2018

Study Abroad in Madrid, Spain January 2018 - June 2018

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## Honors, Awards, and Publications

D.E. Hiebeler, Rachel M. Rier, Josh Audibert, Philip J. LeClair, and Anna Webber, "Variability in a Community-Structured SIS Epidemiological Model," Bulletin of Mathematical Biology, 77(4), 698--712 (2015).

Contributor to Dr. David Hiebeler's "SPEED Sim" iOS application.

- Available in the Apple app-store. Credited in 'About' section.

Society of Women Engineers 2015 Scholarship Recipient

- Admiral Grace Murray Hopper Scholarship to Pursue 4-year Education in Computing

Anita Borg Institute 2017 Scholarship Recipient

- To attend Grace Hopper Celebration of Women In Computing
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## Skills

Programming experience in Swift, Java, Python, MATLAB, C and R.

Additional statistical analysis experience in Microsoft Excel and MiniTab.

3D modeling experience in SolidWorks.

Foreign language experience in Spanish of limited proficiency.