

Molly A. Lee

<https://www.linkedin.com/in/molly-a-lee/>

Education

University of Nebraska-Lincoln , Lincoln, NE	Upcoming Aug. 15, 2020
Master of Science in Computer Science	
3.611 Cumulative GPA	
Concordia College , Moorhead, MN	Dec. 2016
Bachelor of Arts in Mathematics and Physics	
3.407 Cumulative GPA, 3.0 Physics GPA, 3.5 Mathematics GPA	

Programming Languages

Intermediate:	Java	SQL/MySQL	C/C++	C#	MATLAB	
Beginner:	ANTLR	Haskell	Prolog	Assembly	VHDL	JavaScript

Research

Experience

Graduate Research – <i>WetComm Project, University of Nebraska-Lincoln</i>	Oct. 2018 – Aug. 2020
- Collaborated on a research team within the MBitE Lab at UNL	
- Compared quantum communication and molecular communication	
Undergraduate Research – <i>Quantum Tunneling Times, Concordia College</i>	May 2013 – July 2013
- Considered the scattering of a 1D particle by two symmetrical barriers	
- Calculated the phase time and SWP clock time for double δ and δ' barriers	

Publications

Double General Point Interactions: Symmetry and Tunneling Times	Frontiers 2016
<i>Authors: Molly Lee, José T Lunardi, Luiz A Manzoni, Erik A Nyquist</i>	
On the Generalized Hartman Effect for Symmetric Double-Barrier Point Potentials	Journal of Physics 2015
<i>Authors: Molly Lee, José T Lunardi, Luiz A Manzoni, Erik A Nyquist</i>	

Professional Experience

Graduate Teaching Assistant – University of Nebraska-Lincoln	Jul. 2020 – Aug. 2020
Graduate Research Assistant – University of Nebraska-Lincoln	Jan. 2019 – May 2020
Graduate Teaching Assistant – University of Nebraska-Lincoln	Jan. 2018 – Dec. 2018
Lifeguard – YMCA, Concordia College, Buffalo River State Park, Roseau School	July 2009 – Aug. 2018
Swim Lesson Instructor – YMCA, Concordia College, Roseau School	May 2011 – Aug. 2018
Deli Clerk – Doug's Supermarket	Jan. 2017 – May 2017
Observatory Assistant – Concordia College	Sept. 2015 – Dec. 2016
Physics Tutor – Concordia College	Sept. 2014 – Dec. 2016
Track Meet Worker – Concordia College, Minnesota State University Moorhead	Jan. 2014 – May 2016
Math Department Grader – Concordia College	Aug. 2014 – Dec. 2014
Undergraduate Research Assistant – NASA Space Grant, Concordia College	May 2013 – July 2013

Volunteering and Community Outreach

Media Ministry Volunteer – The Chapel, University of Nebraska-Lincoln	Jan. 2019 – Aug. 2020
Cornhacks Hackathon Volunteer – Cornhacks, University of Nebraska-Lincoln	Jan. 2019 – Jan. 2020
Science Outreach Volunteer – Science Academy, Concordia College	Aug. 2012 – Dec. 2016
Physics Outreach – STEP Grant, Concordia College	Jan. 2016 – Apr. 2016
Relay for Life Team Member – Society of Physics Students, Concordia College	Apr. 2015 – Apr. 2016

Extra-Curricular Activities

Game Development Club – <i>Cofounder/Secretary/Treasurer, University of Nebraska-Lincoln</i>	Jan. 2019 – Dec. 2019
- Developed teaching materials to help others learn Unity and C# programming	
- Led diverse student teams to create Game Jam games from scratch in 48 hours	
Datapalooza – <i>Team DataSaber, University of Nebraska-Lincoln</i>	Mar. 2019
- 2 nd place for Best Use of External Data with team of 4 graduate students	
- Scored each U.S. zip code based on likelihood to buy whole life insurance	