

# MATTHEW STOCKINGER

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<https://matthewstockinger.com>

## Experience



### Teacher - Computer Science, Mathematics, and Chemistry

St. Cloud Area School District 742

Sep 2013 - Present (9 years 6 months)

- Created programming, software development, and web development curriculum for 5 new computing courses, including 2 college-level computer science courses.
- Developed and released "Catch Crabs" to the Google Play Store, a game written with HTML, CSS, JavaScript, and Cordova.
- Competed in the 2020 Advent of Code--a data structures and algorithms problem-solving competition--finishing in the 93rd percentile out of 190,000 participants.
- Founded the Apollo Climbing Club, dedicated to safety and teamwork in rock and ice climbing.
- Developed websites for the school climbing club and computing courses.



### Coach, Assistant Coach, Sales Associate

INGDirect

Jul 2005 - Jun 2009 (4 years)

- Promoted 3 times in 4 years
- Created a mortgage customer analysis tool that helped raise me and my teammates to the top 5% of mortgage salespeople in the country.
- Independently created the mortgage sales tracking and reporting system for the company's central time zone site, using a database and Excel for visualization.
- Earned Leadership Award: Assistant Coach of the Year.
- Piloted the Loan Specialists, a national mortgage customer service and communication team that brought the company's satisfaction score from 81% to an all-time high of 95.7%.
- Improved efficiency of the loan servicing workflow, saving over \$250,000 annually.



### Graduate Research Fellow

The University of British Columbia

Jan 2001 - Jan 2003 (2 years 1 month)

- Mathematically modeled electrostatic and quantum interactions between microporous crystals (zeolites) and inclusion species using Fortran90.
- Wrote data pipelines with Python and Linux scripts to process computational output from large-scale molecular simulations.

## Education



### The College of St. Scholastica

Master of Science, Teaching

2009 - 2012

- Thesis: Course Rigor in High School Chemistry: Student Selection Practices and Implications for School Policy
- GPA: 3.99 / 4.00



## **The University of British Columbia**

Ph.D. Coursework - 21 credits, Computational Chemistry, Quantum Mechanics

2001 - 2003

- Master's degree prerequisite waived upon entry to program.
- GRE scores (nationally): 98th percentile analytical & 96th percentile quantitative.
- GPA 3.57 / 3.60



## **Saint John's University**

Bachelor of Arts magna cum laude, Mathematics & ACS Chemistry (double-major)

1997 - 2001

- Research: Modelled phase transitions in Langmuir films using simulations using C (Programming Language) and Fortran90.
- Research: Constructed an ultra-high vacuum chamber with quadrupole mass spectrometer and Auger electron spectrometer for surface analysis of spinel crystals.
- GPA: 3.82 / 4.00

## **Licenses & Certifications**



**Microsoft Certified: Azure Fundamentals** - Microsoft

l619-6823

## **Skills**

JavaScript • Cascading Style Sheets (CSS) • HTML5 • Microsoft Azure • Cloud Computing • Software Development • Linux • Python (Programming Language) • C (Programming Language) • Git