

# Claire Crain

Lansing, MI

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## EDUCATION

**B.A. Mathematics major with Theatre minor**, Albion College May 2021

Albion College Honors · Summa Cum Laude · Phi Beta Kappa · Cumulative GPA 3.92

Honors Thesis - Casino Euchre: From the Midwest to Las Vegas

## EXPERIENCE

**Actuarial Analyst**, Auto-Owners Insurance

Lansing, MI

June 2021- Present

Create pricing plans to help accomplish growth and profitability objectives.

- Utilize MySQL and Excel to create data queries and analysis, presenting the data to other departments in a digestible way.
- Analyze frequency, severity, and premium trends for purposes of projecting future losses based on historical loss data.
- Create reports to aid management in decision making regarding rates and ratemaking processes.
- Collaborate with team members through mutual feedback to create pricing plan proposals.
- Lead end-to-end project development, presenting information both written and oral to higher levels of management.

**Student Researcher**, Albion College

Albion, MI

Summer 2019 & Summer 2020

Conducted research to create an adaption of Euchre to a casino game.

- Utilized Java to program a Casino Euchre game simulation.
- Analyzed and adapted modified Euchre rules to create an optimal playing experience.
- Presented research to other researchers and faculty through three oral presentations and a written thesis.

**Costume Shop Intern**, La Musica Lirica

Novafeltria, Italy

Summer 2018

Supported a costume shop manager and costume designer for an Italian traveling opera program, developing costumes for three operas.

- Adapted to working in changing environments as the operas toured to different cities.
- Conducted timely, detail-oriented work.
- Oversaw the construction, organization and distribution for all costumes in Dialogues des Carmélites.

## SKILLS

Excel, SQL, Pivot Tables, Google Sheets, Java, LaTeX, Tableau, and Python

## PROFESSIONAL EXAMS

Society of Actuaries  
Exam P — July 2020

Society of Actuaries  
Exam FM — October 2021

## AWARDS

Albion College Fellow  
Award for Academic  
Excellence

Helen Manning Award for  
Excellence in Theatre