

# Alex M. Borchers

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<https://master--alex-borchers.netlify.app/>

## EDUCATION & RESEARCH

University of Nebraska - Omaha, Omaha, NE

May 2023

**Summa Cum Laude. Master of Science: Computer Science; Emphasis: Software Engineering; GPA: 4.0**

Morningside University, Sioux City, IA

May 2020

**Summa Cum Laude. Bachelor of Arts: Mathematics; Bachelor of Science: Business Administration; Emphasis: Finance; Minor: Computer Science; GPA: 3.90**

**Research Assistant**, Dr. Chris Spicer, Morningside College

January 2017-May 2018

- Recruited by a faculty member to assist with research, based upon strong academic performance, leadership characteristics and dedication to the project. Assisted on two separate research projects.
- Performed research on continued fractions focused on finding trends in data to categorize different sets of numbers.
- Performed research on graph theory using the game cops and robbers. Analyzed previous research, developed theorems, tested and proved them.
- Presented to peers and faculty at the Palmer Research Symposium, Spring 2018.

## RELATED COURSES & SKILLS:

- Experience with Python, PHP, C++, SQL, JQuery, Javascript, CSS, HTML, VBA.
- Proficient with Microsoft Excel and Access
- Data Structures, Algorithms, and Analysis
- Mathematical Statistics
- Creating Software on the Server
- Databases in Theory & Practice
- Management Information Systems and Analytics
- Securities Investment
- Modern Algebra I & II

## PROFESSIONAL & RESEARCH EXPERIENCE:

**Senior Software Engineer**, Pierson Wireless, Omaha, NE

June 2023-Present

- [Example1]
- [Example2]
- [Example3]
- [Example4]

**Business Analyst**, Pierson Wireless, Omaha, NE

June 2020-June 2023

- Derive business solutions to complex problems and develop tools that utilize automation to increase efficiency throughout a variety of departments.
- Collect and analyze data surrounding outgoing quotes. Calculate win rate on a variety of factors such as quote size, location, designer, customer which encourage data driven business decisions.
- Maintain Viewpoint software which keeps track of ongoing projects and is the backbone for the workflow of the company.
- Allocate materials from inventory for projects, focused on what makes sense logistically for the company given a particular situation.

**Portfolio Analyst Intern**, Avalon Capital Group, North Sioux City, SD

May 2019-October 2019

- Conducted market research on potential investments including fixed income, real estate, private equity, alternative fuels and common stock.
- Gained an understanding of market demand, potential growth, supply chains and competitors.
- Analyzed current investment performance, risk exposure and benchmarking.

**Financial Services Intern, Northwestern Mutual Financial Network***Summer 2018*

- Set up meetings with prospective clients to provide information on life, health, disability, long-term care, and investment products.
- Trained and licensed to sell health and life insurance.
- Selected through a competitive process for a Fortune 500 company, named a top internship company.
- Volunteered for a golf outing that raised over \$8,000 for Alex's Lemonade Stand.

**Sales/Office Intern, State Farm, Sioux City, IA***Summer 2017*

- Collaborated with another intern to approach cold leads about their satisfaction with their insurance, and offering insurance quotes.
- Offered excellent customer service, with a focus on helping customers with late payments, claims and other issues and concerns.
- Utilized strong interpersonal skills to de-escalate problems and offer satisfactory solutions.

**HONORS/ACTIVITIES/VOLUNTEER WORK****Basketball***August 2016 - March 2020***Morningside College**

As a 4-year starter and 3-year captain for the Morningside Men's basketball team, my role was to motivate, lead by example, keep a level head, and foster a culture of success on and off the court.

**Print Shop Manager***July 2017 - June 2020***Artisan Press**

While I was a student athlete, I worked part time, managing a print shop located UnityPoint Health Hospital in Sioux City. My duties included... (on laptop at home)

**Math Club Member***August 2016 - May 2020***Morningside College**

Math club member for 4 years at Morningside. As a member, I attended weekly meetings which connected me with fellow students with similar interests and gave me a chance to learn more about different branches of Mathematics.

**Academic All-Conference / All-American***August 2016 - May 2020***Morningside College**

As a Student-Athlete at Morningside, I received honors as an Academic All-Conference player all four years, as well as academic All-American honorable mention honors as a Junior and Senior.

**Dean's List***August 2015 - May 2020***Morningside College / University of South Dakota**

The Dean's List recognizes students at Morningside who achieve a 3.67 grade point average or better for the semester. I received these honors each semester at Morningside, as well as the two semesters I was at the University of South Dakota.

**Mission Trip****Dream Center – Los Angeles, CA***May 2019*

Sunnybrook Community Church in Sioux City, IA gave me the opportunity to perform mission work in Los Angeles, CA. Our team was able to provide food, water, and basic toiletries to homeless people on Skid Row, help at in developing communities (projects), and become closer in faith through the Dream Center.

**Track and Field***August 2015 - May 2016***University of South Dakota**

In my first year of College, I was a member of the University of South Dakota's Track and Field Team. Off the track, our coach gave me the responsibility of making sure we my fellow freshman were getting to class and succeeding in the classroom.

**Basketball Skills Trainer***October 2019 - March 2020***Independent / Arena**

Over the course of 2 years, I was able to help develop skills for 4 young athletes. In different respects, I was also able to help at the Arena in Sioux City, IA as a coach and personal trainer.

**Night to Shine***February 2018 - February 2020***Sunnybrook Community Church**

Once a year, a local church puts on a homecoming for people with disabilities which is meant to give them a "Night to Shine" and give their caretakers a night to themselves. I was a "date" on three separate occasions.

**Into the Streets***October 2016 – October 2020***Morningside College**

Once a year, Morningside college takes a day off classes and gives back to the community by having groups of students go out and help small businesses and schools throughout the city with whatever they need. I was able to participate in this for four years.

**Campus Set-Up Crew Member***January 2017 – May 2020***Morningside College**

The Campus Set-Up Crew is responsible for organizing campus activities. My responsibilities involved setting up chairs/tables/speaker systems in a way that pleases the eye and doing so in a timely manner in response to deadlines.