

# Joseph Fay

fayxx092@umn.edu ■ (773) 255-4386 ■ linkedin.com/in/jmfay

## EDUCATION

---

### University of Minnesota - Twin Cities

*Bachelor of Science, Computer Science, Minor in Statistics*

- 3.43 Cumulative GPA, College of Science and Engineering

**Expected May 2021**

*Minneapolis, MN*

## WORK EXPERIENCE

---

### Allied Benefit Systems

*Treasury Services Coordinator*

**May 2018 – Aug. 2018**

*Chicago, IL*

- Electronically reconciled 150 bank accounts on a monthly basis, ensuring each account was properly maintained and transactions were properly reported
- Met with treasury team monthly to set goals to increase productivity and boost the overall success of the team, resulting in the clearing of a backlog of 2 months of reconciliations

### Levy Restaurants: Wrigley Field

*Commissary Prep*

**May 2017 – Aug. 2017**

*Chicago, IL*

- Coordinated with management to assure that each commissary had enough product around the ballpark, providing additional assistance if needed
- Ensured the commissary is tidy and organized, assist the vendors in the handling and rotation of product

## LEADERSHIP

---

### Vice President

*Delta Chi Fraternity*

**January 2019 – December 2019**

*Minneapolis, MN*

- Directed 23 positions in their respective roles, working cooperatively with each to set and track goals, maintain budgets, and organize logistics
- Met with the rest of the executive board weekly to detail these duties and discuss plans for the weeks to come
- Helped organize a philanthropy for the V Foundation, for which we raised \$6,400 to fund cancer research

## PROJECTS

---

### Transit System Simulator (*CSCI 3081W*)

**October 2019 – December 2019**

- Develop a rudimentary transit simulator in which simulations can be controlled via external configuration and be visualized within a graphics window.
- Enhance/Manage significant source code base using C++ and Git to become acquainted with a full software development process

### MapReduce on Text File System (*CSCI 4061*)

**February 2020 – April 2020**

- Collaborated with a team on an iterative MapReduce project that incorporated OS tools such as multi-threading, locks, TCP, etc. to distribute the process of analyzing a file system of text files.
- Performed routine code reviews at each phase and helped to coach others on the team in functional programming when there were gaps in knowledge on project concepts

## COURSEWORK/SKILLS

---

**Relevant Coursework:** Practice of Database Systems, Advanced Algorithms & Data Structures, Program Design & Development, Intro. to Operating Systems

**Languages:** Java, Python, SQL, C++, C, Git, JavaScript, R, HTML, CSS