

# Christopher Kapic

Student at Northwestern University; Class of 2022

Christopher Kapic  
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## EDUCATION

### Northwestern University, Evanston, IL — *Senior*

September 2018 - March 2022

Currently studying math and computer science.

### Universitat Pompeu Fabra, Barcelona, Spain

June 2019 - July 2019

3 course study abroad program (Language and Culture in Barcelona)

## EXPERIENCE

### Sacred Heart, Shawano, WI — *Covid-19 Livestream*

April 2020 - July 2020

Managed the mass livestream for Sacred Heart Parish, including creating meditative B-Roll, image overlays, managing sound, and switching cameras.

### 9Round, Evanston, IL — *Boxing Trainer*

September 2019 - December 2019

Trained clients to improve physical fitness, organized promotional video and content for social media.

### Schreiber Foods, Green Bay, WI — *Student Resource*

June 2018 - September 2018

Organized a database of pictures, wrote articles for Schreiber's Intranet, created videos for corporate use.

### Festival Foods, Suamico, WI — *Produce Clerk*

June 2018 - PRESENT

Organized produce displays, changed prices, developed good relationships with guests, unloaded new produce in the backroom refrigerator.

## SKILLS

### Programming

React (Gatsby, Expo, CRA),  
11ty (SSG),  
NodeJS (Express),  
Python (Flask, Numpy, Matplotlib),  
Unity (game engine)



### Backend Technologies

Hosting (Netlify, Firebase)  
Databases (FaunaDB, Redis)  
Cloud computing (Vultr, DigitalOcean)



**Linux** - Familiar with ArchLinux, shell scripting, NGINX, and other Linux utilities.



**Gimp** - an open source alternative to Photoshop.



**OBS** - Open Broadcaster Software.



## PROJECTS

### Open Source iMessage Client for non-Apple products

Using Flask, created a prototype iMessage Client for use on non-Apple products. Currently planning on switching to NodeJS and adding a (pseudo) proxy to allow for public connections without exposing a port on a home network, as well as implementing websockets for more ideal data updating.

### TickerTab

An interactive options (stock derivative) calculator working prototype using the Black-Scholes model for intuitive understanding of options pricing. Currently working on a new version that includes SVG historical stock graphs, user authentication with Netlify, integration with Stripe, integration with several APIs, and data caching with Redis.

### “Cricky Calculator”

A 3D “calculator” that shows points moving in space according to a linear transformation matrix, including a Google Cardboard variant that was lost when my SSD corrupted.

### Marketing and Media

Northwestern University’s Dance Marathon’s Marketing and Media club; specifically, promoting fundraising and helping create video content for Dance Marathon.

### Mass Music Coordinator and Pianist

Pianist (‘14-present) and music coordinator (‘16-’18 at SJB) for several Catholic parishes (Saint John the Baptist in Howard, WI; Saint Elizabeth Ann Seton in Green Bay, WI; Notre Dame Academy school masses; Sheil Catholic Center in Evanston, IL)

## LEADERSHIP POSITIONS

**NU Theme Park Engineering and Design** – Treasurer (‘20-‘21)

**Catholic Student Association (CaSA)**  
Assistant Senator for events (‘18-‘19),  
Treasurer (‘19-‘20)

**LifeTeen Core Team Member**  
Guide for teenagers at St. Francis of Assisi parish in Manitowoc (‘21)

## AWARDS

**Our Lady of the Baie Award**  
awarded to two seniors at Notre Dame who lived out the mission statement.

## LANGUAGES

Can hold conversations, read, and write in Spanish.