Christopher Kapic

Student at Northwestern University; Class of 2022

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Github | LinkedIn

EDUCATION

Northwestern University, Evanston, IL — *Senior*

September 2018 - December 2021
Currently studying math and computer science.

Universitat Pompeu Fabra, Barcelona, Spain

June 2019 - July 2019
Three course study abroad program (Language and Culture in Barcelona)

EXPERIENCE

Manitowoc Public Utilities, Manitowoc, WI — *Programming Intern*

June 2021 - Present

- Identify opportunities for automation in accordance with Lean methodology, including simplifying the data pipeline for client account management
- Create scripts and programs to improve employee experience with Python, Visual Basic, and Excel.
- Interact with data APIs (XML, JSON) to display important information to internal teams
- Handle internal data from a report generator using SQL
- Automate processes without APIs via Selenium (Python web scraping)
- Interact with community members in a public relations event promoting awareness of utility jobs to youth

Festival Foods, Manitowoc, WI — *Produce Clerk*

June 2018 - Present (Seasonal)

- Experience in providing exceptional, friendly guest service
- Strong communication skills and teamwork as an associate of the company
- Readily aid guests in search of specific produce items
- Unload and organize produce to be stored in the back room and displayed on the floor in an orderly fashion
- Act as a flexible team player who helps other departments, including pricing

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

April 2020 - July 2020

- Directed sound and visual design for the Facebook livestream of church due to Covid-19
- Filmed and edited videos to be shown at the beginning of the livestream
- Created image overlays for an enriched viewing experience

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.

LEADERSHIP POSITIONS

NU Theme Park Engineering and Design - Treasurer ('20-'21)

Catholic Student Association (CaSA)
Assistant Senator for events ('18-'19),

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

June 2018 – September 2018

- Organized a database to readily find pictures of plant operations for ease of access
- Wrote engaging articles pertaining to organizational news to be published on the company's Intranet
- Filmed and edited tutorial videos to teach others how to use new technologies within the business

PRACTICAL APPLICATION OF TECHNICAL SKILLS

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.

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.