

BENJAMIN NG

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benymng

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EDUCATION

University of Waterloo - Bachelor of Software Engineering

Sept 2022 - April 2027

- Scholarships: TD Community Leadership Scholarship (\$70,000), Loran Scholarship Semifinalist (\$2,000)

EXPERIENCE

Syndi Health - Full Stack Developer

May 2023 - Present

✚ AWS (Lambda, Dynamo DB, Athena, Quicksight, S3), GraphQL, SQL, React, ExpressJS, NodeJS

- Spearheaded automatic purchase authorization-checking based on company-approved apps and merchant data to prevent fraud purchases
- Achieved a 50% increase in prospect customer conversion by generating unique registration links which centralizes banking and personal info
- Developed ROI data dashboard by correlating likelihood of sick days and clinical survey data which improved client retention by 25%

Templn - Software Development Intern

July 2022 - April 2023

✚ Vue, GraphQL, Notion API, Quasar, Google Places API

- Implemented location auto-fill feature on the web app to decrease input errors by 50% when users search for jobs
- Automated user sign-up process by creating script that updates the company's Notion database which sped up onboarding by 200%

Infusion Energy - Software Development Intern

Jan 2022 - July 2022

✚ MongoDB, Express, Node, React, TailwindCSS

- Developed markdown-to-sanitized-HTML functionality for blog and testimonial page to simplify website changes without editing codebase
- Architected user authentication by utilizing salts and hashing to store confidential information securely on admin page

ThyForLife - Product Development Intern

June 2021 - Aug 2021

✚ Beautiful Soup, Selenium, Python, Pandas

- Built web scraping algorithm to centralize social media and website analytics to decrease the time for statistics collection from 10m to 10s
- Optimized the Search Engine Optimization of the website by fixing the site hierarchy to increase the website views by 50% in two months

University of Calgary Dettmer Lab - Seismology Data Researcher

April 2020 - Jan 2022

✚ Python, Pandas, NumPy

- Designed four-dimensional grid-search algorithm to find earthquake-starting locations using wave pattern and geological composition data
- Implemented wave pattern filters based on frequency, amplitude and location data to improve the visibility of earthquake patterns

PROJECTS

Captain Chef @ Project Tech Conferences Hack Your Tomorrow (1st Place + \$1500)

December 2021

✚ NextJS, Typescript, Google Mediapipe, Clarifai API

- Developed full-stack website that uses computer vision to identify ingredients from an image and suggest personalized recipes
- Incorporated hand-gesture recognition feature to allow users to step through ingredient list and cooking steps without touching their screen

Blue Sky AI @ BridgeHacks Hackathon (Best Environmental Hack)

July 2020

✚ Flask, Pandas, SQL, Tensorflow

- Created website that utilizes machine learning to estimate the acreage and date a wildfire will be under control using the latitude, longitude, start cause, and discovery date from a dataset of 1.88M entries

Pop Q! @ I/OHack Pandemic Hackathon

May 2020

✚ Node, Socket.io, Express, QRCode.js, Google Places Popular Times API

- Led creation of web app which facilitates social distancing by directing users to less busy stores based on Google's popular times API
- Implemented QR code generator for remote queue system which allows stores to manage excess number of customers more efficiently