JUNGHO CHOI

📞 (201)-956-4054
✉️ junghodchoi@gmail.com
🐙 github.com/junghochoi
in linkedin.com/junghochoi
🌐 junghochoi.com

EDUCATION

University of Maryland, College Park
College Park, MD
B.S. in Computer Science | **GPA: 3.74/4.0**
Aug 2020- Dec 2023
Dean's List 2020-2023 | QUEST Business Honors Program
Relevant Coursework: *Data Structures & Algorithms, Database Design, OOP, Comp. Architecture, Networking, Mobile Dev*

WORK EXPERIENCE

Yext
Washington D.C
Software Engineer Intern
May - Aug 2023
- Optimized **Java** backend servers with warm-up, reducing cold start times and boosting **gRPC** call latencies by 200%.
- Developed and optimized a **Kafka** pipeline for real-time monitoring and indexing of user-configured field updates between the core platform and backend search services, enhancing data flow efficiency.
- Led migration of search backend services from legacy Data Science Gateway Service to next-gen architecture, improving search relevancy by 15% through close collaboration with data science team.

Spring Health
New York, NY
Software Engineer Intern
May - Aug 2022
- Designed and implemented an in-house video chat feature on Spring Health's platform, fostering direct communication between therapists and patients, eliminating the need for third-party app redirection using **React** and **Tailwind CSS**.
- Built **Ruby on Rails** and **GraphQL** API for collecting/storing patient feedback and metadata from video chat sessions.

Advisar AI
New York, NY
Software Engineer Intern
May - Aug 2021
- Developed a **React** data engineering UI dashboard to efficiently display up to 1GB of spreadsheet data to support data cleaning and modification for data model training.
- Built an email verification service to identify and eliminate illegitimate bot accounts using **Django** and **SQLAlchemy**
- Directed sprint meetings with engineers and product managers to discuss acceptance criteria for new features, critical production issues, and bottlenecks in the CI/CD pipeline.

SX Industries
Remote
Data Insights Consultant
Feb - May 2023
- Facilitated client discussions, defining project scope, checkpoints, and deliverables to ensure comprehensive alignment.
- Analyzed Historical Sales Data using **Python** and forecasting models (**Holt-Winters**, **SARIMA**) for accurate prediction.
- Developed Safety Stock Model in Python for holding optimal metal parts quantity, improving Sales Forecasting accuracy.

PROJECTS

Final Call - *Websocket Online Game*
- Built Online website version of the *"For Sale"* board game.
- Used **Next.js**, **Websockets**, **Node.js**,**Typescript**
- Players buy/sell properties to end up with the most money
- 🐙 *github.com/final-call* | 🎮 *Final Call*

AI for Minesweeper and Floodfill
- Built Online website version Minesweeper and Floodfill
- Implemented A* and BFS Search algorithms to calculate optimal moves in the Floodfill/Minesweeper respectively
- 🐙 *github.com/minesweeper* / *github.com/floodfill*
- 🎮 *Minesweeper* / *Floodfill*

Artificial Intelligence Entity Generator - *Yext Hackathon*
- Developed a user survey for dynamic entity generation in Yext Core Platform, using ChatGPT API for intelligent entity creation based on user input.
- 🐙 *github.com/generative-ai-demo*

Beverage Price Elasticity- *Union Kitchen*
- Created Python demand models to discover insights in customer preferences and price elasticity in different drinks
- Pinpointed beverage type and store location as significant factors
- 🐙 *github.com/union-kitchen* 🎓 *umd-quest/union-kitchen-poster*

Imposter.io - *Websocket Online Game* | 🐙 *github.com/imposter.io*
- Developed online game using Websockets; players assigned the "Imposter" role must blend in while completing tasks.

SKILLS

Languages: Java | Python | C# | Javascript | Typescript| Ruby | SQL | OCAML | HTML/CSS
Frontend: Next.js 14 | React.js | Redux | GraphQL | Websockets | Tailwind CSS | Chakra UI | shadcn-ui | Prisma | React Query
Backend: Node.js | Ruby on Rails| gRPC | RabbitMQ| Dagger2 | Kafka | Django | PostgreSQL| Redis | ElasticSearch | Planetscale
Development Tools: AWS/GCP | Docker | Git/Github/Gerrit | Teamcity | Grafana | Lightstep