

JUNGHO DANIEL CHOI

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Education

University of Maryland (UMD)

- Bachelor's Degree in Computer Science | GPA: 3.88/4.00
- Relevant Coursework: Object Oriented Programming, Data Structures, Discrete Mathematics, Analysis of Computer Algorithms, Computer Architecture

College Park, MD

Expected: May 2024

QUEST Consulting Honors Program at UMD

- QUEST | Quality Enhancement Systems and Teams
- Collaborate in interdisciplinary teams on experiential learning projects to design product solutions to real-world problems

Sept 2021 - Present

Fintech Focus Summer Program

- Built personal finance tracking web application in teams using [Flask](#), [MongoDB](#), [CSS](#) and [Javascript](#)

July 2020 - Aug 2020

New York, NY



Work Experience

Spring Health - Software Engineer Intern

May 2022 - Aug 2022 | Remote | New York, NY

- Developed Video Chat feature in [React](#) and [Typescript](#) Spring Health's platform to eliminate redirection users away from the site to third party applications like Zoom.
- Designed and implemented survey database schema and fetch API in [Ruby on Rails](#) and [GraphQL](#) to fetch and store patient feedback from virtual video chat sessions.
- Organized meetings with product managers and designers to discuss acceptance criteria for the video chat feature.

Advisar AI - Software Engineer Intern

June 2021 - Aug 2021 | New York, NY

- Created "Data Engineering" dashboard using [React](#), [Redux](#), and [GraphQL](#) to streamline data cleansing prior to executing machine learning models.
- Deployed platform email services to verify and automate welcome emails using backend tools such as [FastAPI](#) and [SQLAlchemy](#).
- Directed sprint meetings with backend interns and the product manager to discuss new features, critical production issues, and bottlenecks in the development pipeline.



Technical Projects

[Imposter.io](#)

- Designed and programmed a real-time online web application game using [React](#), [Websockets](#), [Node.js](#) in which players that are given the "Imposter" role must blend in with the other players in a series of tasks.

Artificial Intelligence (AI) Bots for [Minesweeper](#) and [Floodfill](#) games

- Create online web versions for the games Minesweeper and Floodfill with AI features.
- Implemented Greedy and A* search algorithms to calculate optimal moves in the game Floodfill.
- Implemented Breadth First Searching algorithm and probability to calculate the safest moves in Minesweeper.

[Financial Data Manager](#) for Magellan Financial Solutions

- Built Desktop Application using [Java](#), [JavaFX](#) to automate financial data management processes for our client, a wealth fund manager @ Magellan Financial Solutions, resulting in 2-3 hours saved daily.



Technical Skills

Languages: Java | Python | C# | Javascript (ES6) | SQL | OCAML | HTML/CSS

Frontend: React.js | Redux | GraphQL | Websockets

Backend: Node.js | Flask | FastAPI | PostgreSQL | Redis | TypeORM