

Dylan Farrell

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Education

Rutgers University, New Brunswick

Computer Science, BS

GPA: 3.0, Relevant Coursework: Data Structures, Computer Architecture, Discrete Structures I & II, Physics I & II

Sep 2020 - May 2024

Work Experience

GiGil Technologies

North Brunswick, NJ

Global Engineering Solutions Intern

June 2023 - August 2023

June 2022 - August 2022

- Collaborated with our client, *Johnson & Johnson*, and our team to program Raspberry Pis across manufacturing plants.
- Developed python applications to utilize temperature probes to regulate and ensure stability for server room temperatures.
- Participated in international assignment to Leeds, England for development hence optimizing production processes.

Regal Cinemas

North Brunswick, NJ

Concessionist & Usher

Sep 2019 - May 2022

- Provided exceptional customer service by assisting customers in a friendly and professional manner.
- Operated the cash register and handled financial transactions ensuring accuracy of all cash and credit transactions. Managed high pressure situations while maintaining a positive environment.

Skills

Programming Languages: Java, Python, C, JS, HTML, JSON, Django, React

Dev Tools: AWS, Git, Visual Studio, VSCode, Eclipse, and Linux

Software: Windows, macOS, Adobe CC: Lr, Ps, Pr, Ae, Word, PowerPoint, and Excel

Skills: PM, Training/Mentoring and Team building

Projects (Refer to Github for projects)

Chess AI Engine PYTHON, GITHUB, PYGAME

Created a chess engine and a chess AI that uses Minimax and Negamax algorithms along with alpha-beta pruning to efficiently make smart moves based on material and position. Allows users to choose if they want to play as white, black, both, and spectate the AI play against each other. Allows players to make only valid moves, undo previous moves, reset board, show a move log, and highlight valid moves for each piece as you press them.

Customer Management App PYTHON, GITHUB, DJANGO, AWS

Developed a full-featured customer management app to organize customer data, track transactions, and manage customer relationships to improve efficiency in the users business. Includes customer profiling and order tracking. Deployed with Heroku and used AWS postgres database to efficiently store data and static files.