Dylan Farrell

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EDUCATION

Rutgers University   New Brunswick, NJ
Bachelor of Science in Computer Science   *Sep. 2020 - May 2024*
- GPA: 3.04/4.0
- Relevant Coursework: Algorithms, Computer Architecture, Intro to Data Science, Software Methodology

EXPERIENCE

Software Engineer Intern   June 2022 – Present
GiGil Technology   *North Brunswick, NJ*
- Developed software for Johnson & Johnson within a team to help manage temperatures in manufactures plants.
- Explored ways to use temperatures probes on Raspberry Pis as sensors.
- Participated in international assignment to Leeds, England for development.

Research Extern   June 2023 – August 2023
Rutgers MBS Program   *New Brunswick, NJ*
- Researched ways to identify and mitigate evolving cybersecurity threats to Maritime IoT devices.
- Assessed risks and implemented innovative solutions, including the Zero Trust Model and advanced encryption techniques.
- Presented findings weekly with a team of advisors and assessed needs for a successful project.

Concessionist   Sep. 2019 – May 2022
Regal   *North Brunswick, NJ*
- Operated cash register and handled financial transactions.
- Provided customer service by assisting customers in their activities.

PROJECTS

Chess AI | *Python, Pygame, Github*   Feb. 2023 – Present
- Developed a fully functioning chess engine.
- Integrated Minimax and Negamax algorithms with alpha-beta pruning to enhance efficiency.

Customer Management App | *Python, Github, Django, AWS*   July 2023 – Present
- Engineered a Python and Django-based customer management app, facilitating efficient data organization and access.
- Deployed the application on Heroku, supporting transaction tracking and customer relationship management.
- Utilized AWS buckets for scalable storage of customer data and static files.

Photos App | *Java, JavaFX, Android Studio, Bitbucket*   December 2023 – Present
- Developed a photo application in Java using JavaFX and adapted it for Android.
- Designed user interfaces using FXML for enhanced user experience.
- Implemented features for photo management including tagging, date, and location tracking.
- Maintained project code and documentation on Bitbucket.

TECHNICAL SKILLS

Languages: Java, Python, C, Javascript, HTML, JSON
Frameworks: React, Node.js, Django, JUnit
Developer Tools: Git, AWS, Google Cloud Platform, Visual Studio, IntelliJ, Eclipse, Android Studio
Libraries: Pandas, NumPy, Matplotlib, Pygame