GLENN JOSEPH

PROFILE

Passionate computer science student with experience in tools at every level of development. Skilled at communicating with team members and problem-solving

EXPERIENCE

2022 **Quantitative Analyst**
BMO Capital Markets, Equity Derivative Desk - Toronto, ON
- Automated technical daily tasks to increase productivity across multiple desks
- Implemented JavaScript libraries in F# to improve interoperability with .NET
- Revised internal weekly task guide to improve onboarding for analysts and interns
- Compiled weekly reports of the financial options market for use in research

2021 **Full-Stack Developer**
Fairly AI - Kitchener, ON
- Developed React components that became fundamental parts of the UX
- Created an AI visualization tool that helped banks communicate effectively
- Added a versioning system using SQLAlchemy to track risk management reports
- Helped onboard new team members to the company's coding environment

PROJECTS

2020 **FLASH**
First-Person Horror Game
- Written completely in Python, using the Pygame module
- Randomly generated map and item locations for every play-through
- Responsive computer opponent with different levels of difficulty
- Clear GUI and customizable settings for different levels of hardware

2019 **CIVILite**
Text-Based Strategy Game
- Written in Python, based on Sid Meier's Civilization Games
- Dynamic, randomly generated ASCII Map
- Numerous player options at every point in the game
- Multiple enemy opponents with differing levels and rates of progression

EDUCATION

2020 - 2025 • University of Waterloo - Bachelor of Computer Science

SKILLS

Python		JavaScript	
HTML/CSS		C++	
React		Flask	
.NET		F#	

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