System Selection

CSC501 – Portfolio Milestone 1

Chioma Chance

08/15/2024

**AI-Enhanced Implantable Eye for Glaucoma Treatment**

For my Portfolio Project, I’ve chosen to focus on the creation of an AI-Enhanced Implantable Eye designed specifically for glaucoma treatment. This innovative system would combine advanced bioengineering with AI technology to monitor and manage intraocular pressure in real-time, while also offering the potential to restore vision through regenerative capabilities. The implant would interface with the optic nerve, providing continuous monitoring and autonomous adjustments to prevent glaucoma progression. Additionally, the system could be equipped with augmented reality features to enhance or restore the patient’s vision. I’m excited to explore this visionary concept, as it merges my interest in ophthalmology with cutting-edge technology, pushing the boundaries of what might one day be possible in medical science.