

## Project Links

### **Finding Blueno** [[sidwan02/finding-blueno](#)]

◇ UNET architecture built from scratch to detect any target image foregrounded over a random background image

### **Privacy Twitter Analysis** [[sidwan02/isbdiri-privacy-twitter-analysis](#)]

◇ Interactive dashboard written in Python to visualize trends in 'Privacy' labelled tweets using tools such as web-scraping and Named Entity Recognition

### **Light Echoes in Euclid Geometries** [[sidwan02/light-echo-dist-euclid](#)]

◇ Interactive dashboard written in Python to visualize light echoes from spherical Broad Line Clouds using Distribution Plots and Kernel Density Estimation curves

### **Exploring Light Echoes in Astronomy** [[dmaitra/light-echoes](#)]

◇ Python codebase to generate time series motion plots of light echoes from disk Broad Line Clouds

### **Schwarzschild Ray Tracing** [[sidwan02/schwarzschild-ray-tracing-app](#)]

◇ Android application that uses elliptic integrals and differential solvers to map light rays curving around blackholes in 2D/3D space

### **Journal Texter** [[sidwan02/journal-texter](#)]

◇ Web app that stores user journal entries and dynamically prompts successive entry topics using word count vectorization and contextual sentiment analysis