Albert Murphy

083-810-8202 | albertmurphy128@gmail.com | linkedin.com/in/albertjmurphy | github.com/ex1tt

EDUCATION

University College Cork   Cork, Ireland
Bachelor of Science in Computer Science   *Aug. 2024 – Attending*

Cork Educate Together Secondary School   Cork, Ireland
Leaving Cert   *Aug. 2018 – May 2024*

EXPERIENCE

Stock Taker   March 2022 – Present
Stock Taking Solutions   *Cork, Ireland*

- Efficiently managed stock audits, developing attention to detail and problem-solving skills.
- Collaborated with team members to ensure accurate and timely data collection.

Youth Leader   2016 – Present
Scouting Ireland   *Cork, Ireland*

- Participated and lead group activities, fostering team collaboration.
- Developed leadership, communication, and project management skills by coordinating youth programs.

PROJECTS

Aquae Vitae Smart Hydration Device | *Python, Serial, Microbit, Matplotlib, MakeCode*   2023 - May. 2024

- Designed an embedded system that tracks daily hydration patterns
- Developed a informative web application that documented the design process and all underlining blueprints and documentation of hydration device.
- Developed analysis software with python, using py statistics and matplotlib
- Developed software with python that writes information from embedded system to file through serial
- Used microbit pins to measure water level of hydration device

2D Infinite Runner Game | *Java, JSwing, JFiles*   2023

- Developed an infinite maze runner esque game with Java and subsequent libraries.
- Developed an infinite obstacle generation algorithm implementing txt files
- Designed 16x16 map tiles and sprites
- User tested with various acquaintances

2D Zombie Survival Game | *Java, JSwing, JFiles, PathFinding*   2023

- Developed a zombie shooter/survival with Java and subsequent libraries
- Developed a specific zombie path finding technology implementing a* tech
- Built a map reading algorithm through txt files
- Designed 16x16 map tiles and sprites

TECHNICAL SKILLS

Languages: Java, Python, C, SQL, JavaScript, HTML/CSS
Frameworks: React
Developer Tools: Git, Github, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse
Libraries: pandas, NumPy, Matplotlib, JSwing, TKinter, PyGame