Cole Gilbert

Software Engineer
coleggilbert.com

coleggilbert@gmail.com
linkedin.com/in/coleggilbert
twitter.com/NotARestoDruid

Skills

- C#
- C++
- Unity
- Unreal 5
- Git
- Python
- Jira

Professional Summary

A logically minded, creative, first-class computer science graduate who is passionate about programming both systems and gameplay for video games with an eagerness to learn and develop personal skills in a practical setting. In 2022 I completed my degree, 'BSc(Hons) Computing for Games', with my final grade being 1st class and acquiring awards for my projects along the way before briefly working in a software engineering setting for just under two years.

Development Experience

Generalist Programmer for team game development projects
(24 months total over 3 years of University)

Key Responsibilities:
- Designed and implemented core gameplay systems including player movement, combat interactions and AI behaviours;
- Profiling/optimisation of both code and graphics using engine tools;
- Collaborating with Game Designers to fill requests for new systems and in-engine tools;
- Graphics programming in C++ using OpenGL & custom shader code;
- Debugging complex gameplay and engine-level issues;
- Maintaining an agile workflow and helping team members follow the same workflow to achieve key deadlines;
- Maintaining/managing Git repositories, including resolving merge conflicts across multi-disciplinary teams;
- Effective communication in small development teams (~12 people).

Employment

Mid-Level Data Operator/Software Engineer
(Q4 2022 -> Q2 2024) - Totalling 1y8m
Promoted to Mid-Level in Q3 2023

Key Responsibilities:
- Operating within real world project life cycles;
- Maintaining key infrastructure used 24/7 within the department;
- Managing small development groups (~3/4 people);
- Maintaining established Jira workflow;
- Communication across departments and with management;
- Time management to meet company goals.

Education

Falmouth University
2019 - 2022
BSc(Hons) Computing for Games
- **Grade: First-Class Honours (1st)**

Guernsey College of Further Education
2017 - 2019
BTEC Level 3 National Extended Diploma in Computing
- **Grade: D*D*D**
  (2x Distinction* and 1x Distinction)