Tom Wallis

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SUMMARY   A soon-to-be-graduate of Computing Science at Glasgow University. I quickly become passionate about curious problems that can be tackled from new angles. Currently, my focus lies in sociotechnical systems, and its application to project management and programming as well as security and risk. I have experience programming in teams and solo, as well as writing for academia and assisting in teaching environments.

INTERESTS

Sociotchnical Systems	Academic and Technical Writing
Organisational Science	System Security
Project Management	Modelling and Programming
Workflow	Applications of Design Patterns
Software Engineering Practices	Data Visualisation

EXPERIENCE   *Programming:* My view on programming is that it's a useful for making things that can help people in a real way. Last academic year, I attended the GU Tech Society Hackathon, with a team who I also completed by 3rd year group dissertation with. The project, a conversation-oriented ticket management system, is the focus of a soon-to-be-published academic paper. My dissertation project is a procedural modelling system for sociotechnical systems. It can be used to identify risk and assess the robustness of a sociotechnical system, which can function on a small scale to system-of-systems level modelling. I actively maintain a github account for all of my projects, and also use it for hosting some small static sites.
I have experience using Django and Jekyll for creating websites, and usually write my projects in Python and Java. I also have experience with C, and am curious about functional languages, such as Haskell.

Lab Demonstrating: I am currently employed by the university as a lab demonstrator, helping to run practical sessions for *Introduction to Java* and *Professional Software Development* courses. This complements the classroom teaching I do as a part of my *Computing Science in the Classroom* module this year.

SKILLS   *Languages:* Python, Java, C, Javascript, UML, LaTeX *Techniques:* Agile, Scrum, TDD, BDD, Continuous Integration, *Personal:* Creativity, Lateral thinking, Logical analysis, Discipline

PROJECTS