


FRANS BLAUW

SOFTWARE ENGINEERING LECTURER

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PROFILE

Full Name

Frans Frederik Blauw

Date of Birth

2 February

Nationalities

Netherlands

South Africa

Country of Residence

South Africa

Professional Membership

Member of the Chartered Institute for I.T. (MBCS)

SKILLS

Software Engineering

Object-oriented design

Algorithm design

Business analysis

User experience (UX) design

Data structures

Development Processes

Agile (Scrum)

Test-driven development

Version control (Git + GitHub)

UML

Information Security

Secure software development

Identity management

Social cybersecurity

Programming Languages

PHP + MySQL

PowerShell

C#

Python

Web Development

HTML5 + CSS

Javascript

Training & Instruction

Curriculum development

Research

Interpersonal

Presentation skills

Dispute resolution

LANGUAGES

Native

English

Afrikaans

Conversational

Dutch

As a dedicated, imaginative yet analytic individual active in tertiary education, I have gained a wide range of communication, management and problem-solving skills. I can independently acquire knowledge and skills as required. My proficiency to take theory-heavy content and make it practical has earned me various accolades including a Faculty Teaching and Learning Excellence Award.

In my spare time, I am a theatre nerd, amateur musician, and movie buff while enjoying cooking and creative writing.



EXPERIENCE

Lecturer

University of Johannesburg, Johannesburg, South Africa

Curriculum Development and Delivery

Responsible for the design and development of academic courses at a university level that meets current trends and industry requirements. Main subject areas are:

- Software engineering processes in business system design & development
- Information security and secure software development

Required to independently keep personal skills and knowledge of the above areas and all applicable modern technologies up to date to incorporate into courses and transfer to students.

Expected to regularly publish research articles, individually or with colleagues.

Personally responsible for the management of student groups ranging from 20 to 200 in terms of content, instruction, assessment and outcome.

Developed a GPS-based "game" to illustrate principles in digital investigations.

Project Management and Coordination

Responsible for the coordination of 35+ new practical software development projects and teams annually, along with about 10 alternating project supervisors.

While coordinating all projects, personally responsible for the management of five new team projects, and three new individual projects annually.

Developed an electronic coordination platform to facilitate the complete development lifecycle of the information systems being developed.

Event Management

Jointly responsible for the coordination of an annual project fair and competition of students' best work. The fair is composed of 50+ software projects, 40+ judges, and 10+ sponsor exhibitors and is lauded as a success every year.

Developed a management platform for the operation of the fair. Industry partners have praised this platform for streamlining the judging process.



QUALIFICATIONS

PhD Computer Science (Information Security)

Promoter: Prof SH (Basie) von Solms, PhD, FBCS CITP (WEF Global Future Council)

University of Johannesburg, Johannesburg, South Africa

Investigation of a system prototype to form a digital identity model of a user's personally identifiable information by gathering identity fragments distributed across multiple sources across the Internet.

MSc Information Technology (Information Security)

University of Johannesburg, Johannesburg, South Africa

2012 – present

2015 – 2020

2011 – 2014