Secure Programming — Hayo Thielecke

MSc Computer Security: one of the core modules, compulsory
MSc in Advanced Computer Science/HCI: optional module
MSc Computer Science: cannot take this module

Motivation: real-world examples

- bad memory usage in C code, such as buffer overflow
- credit card info stolen due to SQL injection
- security holes due to programming; not crypto, passwords, etc

Module content and prerequisites

- We write code that is safe from attacks: no buffer overflows or SQL injections
- The most relevant language is C, not Java
- You may need to learn some C if you do not know it already