The Computing Profession
Its Nature

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IEEE CS Brisbane

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The Computing Profession

• historical
• present reality
• what computing is
• the profession
• getting there
Historical

- office workers
- programmers, analysts
- office politicians
- users
Present Reality

- pervasion
  - society
  - employment
- professional
  - education
  - societies
What Is Computing?

- designing computers?
- making computers?
- repairing computers?
- writing programs?
- using programs?
- networks?
Professional Computing

- the distinction
  - expertise
  - opinion

- the field
  - data
  - information

- the clients
  - other professions
  - the public
The Secondary Profession

- data
  - used by all
  - expertise
- information
  - needed by all
  - expertise
- expertise
  - “mathematics”
  - cognitive science
Getting there

- professional societies
  - separation ?
  - partnerships ?

- tertiary education
  - organisation ?
  - degrees ?
  - research ?

- employment
  - acceptance ?
Further discussion or questions?
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