

The image shows the cover of a spiral-bound notebook. The cover is a light beige or tan color with a fine, woven fabric-like texture. On the left side, there is a silver metal spiral binding. The text is centered on the cover in a bold, black, sans-serif font. The title 'Yhc:' is the largest, followed by 'Past, Present, Future' in a slightly smaller font, and the author's name 'Neil Mitchell' in the smallest font.

**Yhc:**  
**Past, Present, Future**

**Neil Mitchell**

# The Past

- **Started by Tom, fork of nhc**
  - He didn't tell anyone!
- **Some students found out**
  - Me, Andrew, Mike, Bob
  - Started helping – seemed fun
- **Never an official York project**

# The Present

- **Merging back with nhc**
  - Malcolm has shared the compiler
- **Yhc.Core**
  - A very capable library
  - Free variables, boilerplate removal...
  - Central part of my PhD
- **Optimisation**
  - The only optimising compiler which can't do optimisation

# The Present (2)

- **Yhc.ByteCode**
  - A nice library for bytecode
- **Ycr2js – Javascript back end**
  - Thanks to Dimitry
- **Flash bytecode**
- **Java backend**
- **PDA ports, Lego Mindstorms**

# The Future

- **Stronger libraries (like Parser)**
- **Better front end**
  - **nhc stuff is “very crusty”**
  - **Needs rewriting from scratch (Qhc?)**
- **Support for base/Cabal**
- **Scons – a source of pain**
  - **Scons/make/Cabal – none are pleasant**
- **v1.0 Release!**