MICHAEL DUNCAN

Software Developer

I am an analytic philosophy teacher based in Sydney who has recently discovered a love for programming. I love the problem solving, the learning (of new concepts, languages, tools, and technologies), the order, precision and succinctness of good code, and the big ideas behind it all. What draws me to programming the most, however, is the ability it brings to create things which can benefit so many people in so many ways.

Check out my interactive resume at: https://fugu137.github.io/interactive-resume/

CONTACT

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ONLINE RESUME

LANGUAGES

Java

JavaScript

CSS3

HTML5

SQL

PowerShell

FRAMEWORKS & LIBRARIES

JavaFX

Spring Boot

PROJECTS

- **Gradebook** (gif demos available on GitHub via the link)

  A fully-featured GUI application built to manage the grades of students from my classes. Import student lists, add and modify assessment weightings, view statistics and graphs, and more.
  - Java with JavaFX, SceneBuilder, JavaFX CSS, FXML.
  - MVC design + Command Pattern (for undo/redo).
  - Mimics Windows 10 Explorer UI (with CSS and SceneBuilder).

- **Tutor Finder**

  A demo web application which allows students to find tutors.
  - Backend: Java with Spring Boot (Apache Tomcat server).
  - Frontend: JavaScript, HTML, CSS.

- **DVD-rip to MKV Converter**

  A PowerShell script I wrote to batch-convert DVD-rips to .mkv files using *MakeMKV*. This saved me hours of tedious work individually converting each DVD in my collection.

EDUCATION

- Doctor of Philosophy (in Philosophy)   2011–2015
  University of Sydney

- Bachelor of Science/Bachelor of Arts
  - Honours in Psychology & Philosophy   2002–2009
  University of Sydney

EMPLOYMENT

- Philosophy Tutor/Lecturer   2014–2021
  Department of Philosophy, University of Sydney

- Postdoctoral Research Fellow   2016
  Centre for Time, University of Sydney