

# David Gilbert

github.com/David-Gilbert-cs  
linkedin.com/in/david-gilbert-52bb62152/

Education     **Bachelor of Science: Software Engineering Major, McGill University**     (2016 – 2019)

## Skills/Interest     **Programming Skills**

Languages:     Java, C++, C#, C, Python, OCaml, Bash,  
Web Development:     Html, CSS, JavaScript, jQuery, Bootstrap  
Databases:     PostgreSQL, DB2, Pig Latin, Cypher

### Languages

English: Fluent    French: Native Language    Spanish: Basic

Experience     **Lifeguard, Receptionist, Coach for SODEM Sport Center**     (May 2012 – Current)

- Learned to manage time efficiently and tea dynamics
- Data collection optimization to create and manage customers database

Projects     **Olympic Games Database Project, PostgreSQL, Python**     (Winter 2018)

- In a team of 4, defined entity sets/relationships for an Olympic Games database (ER diagrams)
- Defined queries allowing to update # medals for players and their countries when a match is won.
- Made a GUI in Python with radio buttons based on the embedded SQL queries:
  - ✓ Add players to the database
  - ✓ Update the medal count for players and countries depending on the match rankings

### Microsoft Desktop Application in Visual Basic .NET

- Manipulation of user input for everyday requirements
- Includes mouse auto clicker, mouse click holder, various mathematics helpers
- Application compatible with any opened active window

### Multiplayer Game on a Single Computer in Unity C#

- Battle Royal tank game, 3D animation, OOP based program
- Strict software design patterns application

### Flash Point Board Game Using Java Lib GDX: In Progress

- Translating a board game to online application
- Full domain modelling, structural requirements

### Kattis Programming Challenge in C++/Java/Python (open.kattis.com/users/david-gilbert)

- Various algorithm implementation and problem solving in a competitive context
- Ranked 1<sup>st</sup> place in COMP321 final contest working in a team of 3

Interests     **Events**

- ImplementAi, McHack, Hackatown

### Clubs

- VP Tech for McGill's Anime Club: Web Site Management with WordPress
- Member of McGill's Computer Task Force: Maintaining Website (TEPID McGill)

### Activities

- Rock Climbing, Hiking, Swimming, Reading