Thomas Barros

https://thombarros.github.io/Portfolio-website/

 ThomBarros

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EDUCATION

The University of Queensland — Brisbane, QLD
Bachelors of Computer Science / Science; GPA: 5.043/7 — *Jan. 2022 – Present*

- **Majors**: Physics, Machine Learning
- **Minor**: Applied Mathematics
- **Extracurricular**: UQ Computing Society (UQCS) member and UQ Student Managed Investment Fund (UQ SMIF) competition participant.

PROJECTS

- **Portfolio Website**: Website written in HTML, CSS and JavaScript. Available at: https://thombarros.github.io/Portfolio-website/
- **Sorting Algorithm Visualiser**: React web application which visualises several algorithms sorting through unordered arrays. Written with the React library in HTML, CSS and JavaScript. Available at: https://thombarros.github.io/Sorting-Visualiser/

EXPERIENCE

CSIRO — Brisbane, QLD
Work Experience — *2019*

- **Hardware programming**: Wrote basic programs for Arduino Uno board and Internet of Things (IoT) Button.

PROGRAMMING SKILLS

- **Programming Languages**: Python, Java, C, HTML, CSS, JavaScript, SQL, R
- **Developer Tools**: VIM, Intellij Idea, VS Code, Git, VirtualC, MySQL, RStudio.
- **Libraries/Frameworks**: React

COURSEWORK

Relevant Coursework
The University of Queensland

- **Computer Science**: discrete mathematics, theory of computation, programming, computer systems principles and programming, algorithms and data structures, artificial intelligence, pattern recognition and analysis.
- **Physics and Mathematics**: statistics, calculus, linear algebra, ordinary and partial differential equations, real analysis, mechanincal and thermal physics, electromagnetism, fields, thermodynamics, condensed matter physics, classical mechanics, special relativity.