

Braden Dubois

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Education

B.Sc. Double Honours - Computer Science & Philosophy

University of Saskatchewan

2017 - 2022 (expected)

Saskatoon, SK

Relevant Coursework

- Operating Systems Concepts
- Intermediate Software Engineering
- Machines & Algorithms
- Professional Ethics & Responsibility in Computer Science
- Automata Theory

Certificate of Proficiency - Ethics, Justice, and Law

University of Saskatchewan

2017 - 2020

Saskatoon, SK

Work Experience

Student Research Assistant

University of Saskatchewan

Spring 2020 - Present

Saskatoon, SK

- Concentrated research on causal inference in statistics
- Research conducted under supervision of Dr. Eric Neufeld

Teaching Assistant / Marking Assistant

University of Saskatchewan

Fall 2020 - Present

Saskatoon, SK

- Planned and delivered content for various 1st & 3rd-year courses
- Marked student assignments with consistent punctuality and adequate feedback

Skills

Languages: Python 3, C / C++, JavaScript / TypeScript, Rust

Tools / Frameworks: React.js / Next.js, GraphQL / REST APIs, Git, GitHub Actions / CI/CD

Projects

do-calculus

github.com / bradendubois / do-calculus

Spring 2020 - Present

- A statistics project implementing the *do-calculus* of Judea Pearl et. al
- Implemented in **Python 3**, with an API available, published on **PyPI**

RustBoy

github.com / bradendubois / rustboy

Summer 2021 - Present

- A Nintendo GameBoy implemented in Rust