

Braden Dubois

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braden.sh

Experience

- Software Developer Oct. 2021 - Present
@ Siemens EDA *Saskatoon, SK*
- Product Developer on Solido Crosscheck / IPQA team
- Student Research Assistant May 2020 - Nov. 2021
@ University of Saskatchewan *Saskatoon, SK*
- Concentrated research on causal inference in statistics
 - Research conducted under supervision of Dr. Eric Neufeld
- Teaching Assistant / Marking Assistant Sept. 2020 - Nov. 2021
@ University of Saskatchewan *Saskatoon, SK*
- Planned and delivered content for various 1st & 3rd-year courses
 - Marked student assignments with consistent punctuality and feedback

Education

B.Sc. Double Honours - Computer Science & Philosophy 2017 - 2022
University of Saskatchewan *Saskatoon, SK*
with High Honours

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 2017 - 2020
University of Saskatchewan *Saskatoon, SK*

Skills

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

Tools & Frameworks: Qt, Git, Next.js, GraphQL / REST APIs

Projects

- do-calculus github.com / bradendubois / **do-calculus**
- A statistics project implementing the *do-calculus* of Judea Pearl et. al.
 - Implemented in **Python 3**, with an API available, published on **PyPI**
- c-gameboy github.com / bradendubois / **c-gameboy**
- A GameBoy emulator implemented in C++ and Qt