Pierre-William Lessard

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EDUCATION

University of Toronto *GPA: 3.86/4.0* — Toronto, ON
Honours Bachelor of Science (Major: Computer Science, Minor: Philosophy) — *Aug. 2021 – May 2025*
- Relevant Coursework: Enr. Theory of Computation, Enr. Data Structures, Algorithm Design, Introduction to Databases, Software Design, Systems Programming, Introduction to AI, Functional Programming

EXPERIENCE

Research Assistant — Apr. 2023 – Present
CHAI Labs - University of Toronto — *Toronto, ON*
- Investigating Holistic Gendered Health through tracking and physiological sensors
- Working to create novel data visualizations of menstrual tracking data in a web application
- Mentored by Blue Lin under the supervision of Professor Alex Mariakakis

Developer — Oct. 2022 – Present
Blueprint - University of Toronto Chapter — *Toronto, ON*
- Developed Android application using Kotlin, Jetpack Compose, Room, and SQLite
- Collaborated with non-profit, the Period Purse, to create menstrual tracking app
- Worked in large team of up to 10 developers using Git for version control

Software Engineer Intern — Oct. 2019 – Jan. 2020
Visible Edge Inc. — *Nashua, NH*
- Documented and tested code for custom CRM
- One on one meetings with CEO, learning the process of managing a company and software development in a professional setting

TECHNICAL SKILLS

Languages: Java, Python, C/C++/C#, JavaScript, Kotlin, Postgres SQL, HTML/CSS, Haskell, R, Shell Script
Frameworks/Libraries: Flask, Django, Bootstrap, jQuery, MongoDB, TensorFlow, Spacy
Developer Tools: Git, Linux/Unix, VS Code, PyCharm, IntelliJ, Maven, Gradle
General: Software Testing, Quality Assurance, Public Speaking, Agile, SOLID design, Clean Architecture, UML

PROJECTS

Menstruation Nation | *Kotlin, Jetpack Compose, Gradle, Room, Dagger/Hilt, SQLite, Git* — Sep. 2022 – Present
- Developed symptom logging system for menstrual tracking app
- Used the new Jetpack Compose techonology to create market ready designs
- Used Room with dependency injection from hilt to manage a SQLite database
- Worked in a team of several developers for over 6 months to create an entire Play Store ready app

Blogging Application | *Java, JavaScript, Undertow, Maven, Jinjava, Git, JSON, UML* — May 2022 – Aug. 2022
- Developed blogging application with Java backend, JavaScript frontend
- Created Undertow web-server using HTTP-handlers with APIs
- Implemented front-end service using JavaScript with bootstrap, connecting to back-end with Jinjava
- Co-led Project with 5 other developers using Git for version control.
- Demonstrated strong use of Clean-Architecture and SOLID design principles

Earth Day Education Hub | *Python, JavaScript, Flask, HTML/CSS, Chart.js, jQuery* — Mar. 2020 – May 2020
- Interactive application for teaching about environmental issues
- Created interactive simulation where users manipulate future spending on creating carbon-neutral sectors
- Used JavaScript with Chart.js to create simulations
- Backend of website was managed with Flask
- Awarded first place at the 2021 Juni-learning Earth-day hackathon