

JODY MACADANGDANG

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EDUCATION

University of Toronto – Honours Bachelor of Science 2016 – present (**Graduating 06/2021**)

- o 4th year, major in Computer Science, minor in Linguistics & Philosophy
- Relevant Courses: Data Structures & Algorithms, Software Design, Systems Programming, Principles of Programming Languages, Introduction to Software Engineering, Introduction to Databases, Web Programming, Numerical Methods, Intermediate Logic, Semantic Theory

TOOLKIT

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- o Languages: Python | Java | SQL | VBScript | C | HTML/CSS | JavaScript | LaTeX | Racket
 - o Tools: Unix | HP UFT | ALM | JIRA | Sharepoint | Android Studio
 - o Others: Git | Agile | Microsoft Office (Word, Excel, Powerpoint) | Adobe Suite (Photoshop, Illustrator, InDesign)

PROJECTS

Collaborative App Project – *Kuick*

- o Mobile application for automating restaurant experience, with interfaces for both user & management, optimizing wait times, reservation and ordering processes, plus user preferences
- o Languages: Java, XML, Firebase | Tool: Android Studio

Design Pattern Project – *Paint Program*

- o Worked in a team of four to create a paint program and improved its architecture
- o Language: Java | Design Patterns: Observer-Observable, Model-View-Controller, Factory, Command, Strategy

Functional Programming – *‘Plastic’ Compiler/Interpreter*

- o Used a functional language to implement an interpreter for the Plastic language, which supported defining and pattern-matching on arbitrary data types through environments
- o Language: Racket

EMPLOYMENT EXPERIENCE

Ministry of Education 1-year internship (05/2019 – 04/2020)
(Community Services I & IT Cluster, iACCESS Solutions Branch)

Application Programmer Analyst – QA Automation, Student Team Lead

- o Assigned to 3 projects, collaborating with a team of up to 4 people
 - o OSAP (Ontario Student Assistance Program)
 - o PARIS (Program Approval & Registration Information System)
 - o CCLS (Child Care Licensing System), assigned Team Lead
- o Created & updated scripts upon new build releases and requirements
- o Completed backlog of scripts and documentation amidst limited resources
- o Performed scheduled tests (smoke, regression), and reported defects in a thorough manner
- o Regularly completed concise reports to update supervisors on project state and team goals