

Ray Lai

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📁 Portfolio: <https://r22lai.github.io>

Education

- 09/2016 – **Bachelor of Computer Science**, *University of Waterloo*, Waterloo, ON.
06/2021 Business Option, Co-op Program, Statistics Minor(GPA: 84/100)

Relevant Courses: User Interface, Human-Computer Interaction, Information Systems Management

Work Experience

- 02/2021 – **Software Developer in Test**, *Genesys*, Markham, ON.
current
 - Responsible for developing test plans in accordance to design documentation.
 - Functional testing primarily targeted at REST API/UI with regex based validation.
- 09/2020 – **Research Assistant**, *University of Waterloo*, Waterloo, ON.
12/2020
 - Implemented python scripts for downloading apk files from Google Play store
 - Prepared bash scripts for automated decompilation of the apk files for research topics
 - Analyzed how WebView is used by android developers in popular applications
- 05/2020 – **Mobile/Web Application Developer**, *IBM iX*, Toronto, ON.
08/2020
 - Worked in Air Canada Android team to design and implement front-end components
 - Implemented the Multilingual support for Air Canada Web POC team
- 01/2019 – **Software Developer**, *Hubdoc Inc*, Toronto, ON.
04/2019
 - Maintained and built Electron automated web-scraping programs for statements fetching
 - Migrated the legacy web-scraping programs while maintaining the desired behaviours
- 05/2018 – **Full Stack Engineer**, *MindBeacon Software Inc*, Toronto, ON.
08/2018
 - Implemented front-end components in AngularJS to enhance user experience
 - Researched and implemented multilingual support using the Angular-Translate Module
 - Improved code usability by creating automated testing scripts
- 09/2017 – **Software Analyst**, *Thales Canada*, Toronto, ON.
12/2017
 - Prepared automation testing scripts for various railway signalling system projects
 - Performed analysis of signalling system and improved the quality of converted scripts

Skills

- Languages: Most work experience in Java, but comfortable with work involving those programming languages e.g. HTML/CSS, C, C++, Scala, Python, Javascript
- Tools: Experienced with Figma, Photoshop, Git workflow, Android Studio and Selenium

Projects

- Application **Crunch**, *Human-Computer Interaction*, Group Project.
Prototype
 - Designed a prototype of an online fitness platform in iOS in a team using Figma
 - Created a thorough [Blog Post](#) for the design process and a [Demo Video](#) for the Application
- Web **Rui of Hope**, *Information Systems Management*, Group Project.
Application
 - Implemented a web application mental health platform for schools and students