

# Ali Raeisdanaei

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## EDUCATION

### York University

*Bachelor of Science, Specialised Honours in Computer Science (GPA: 8.29/9.00)*

Toronto, Ontario

Sep. 2018 – Apr. 2022

## COLLABORATIVE EXPERIENCE

### Open Source Contributor

*Easy German*

- Develop Python script to find the rare words of each podcast efficiently.
- Foster passion and creativity for solving an issue in the repository.
- Communicate with other contributors about the solution.
- Enhance the documentation of the repository.

Jan. 2021 – Present

*Berlin, Germany*

### Web-App Developer & Research Assistant

*York University*

- Conducted literature review identifying pedagogical methods of teaching calculus.
- Designed and built a web-app using JavaScript for over 1000 calculus students.
- Communicated effectively with the supervisor about the review and design of the web-app.
- Displayed strong initiative into developing modules effectively to meet the deadlines.

May 2019 – Sep. 2019

*Toronto, Ontario*

### Warehouse Associate

*Canadian Tire*

- Lead and coordinate teams to receive and process large shipments.
- Optimized warehouse with new methods, tools, and systems of organization.
- Drove inventory inaccuracies down with sharp attention to detail.

May 2020 – Present

*Vaughan, Ontario*

## PROJECTS & ACTIVITIES

### Lassonde Games (Lead Developer) | *Python3*

- Simplified medicine renewal by heading the development of an automated renewal service.
- Promoted the solution to judges and other team members.

Feb. 2021 – Feb. 2021

### Linux Utilities | *Bash, i3*

- Programmed utility-driven scripts to be used for the window manager and system maintenance.
- Conserved computing resources by formulating clever and reliable solutions.
- Established a deep understanding and appreciation for the Linux Operating System.

Aug. 2020 – Dec. 2020

### Erika Language Compiler | *C++*

- Formulate a simple grammar for a toy programming language.
- Research fundamental compiler components and development.
- Construct a lexical analyser. A parser and a generator are still needed to convert Erika to LLVM IR.

Nov. 2020 – Present

### Netflix Movie Suggester | *Python3*

- Built an efficient and modular web scraper to retrieve movie listings from Netflix.
- Created a logical text-based user interface to interact with the web scraper.
- Program evaluates the user's preferences to produce movie suggestions.

Aug. 2020 – Oct. 2020

## TECHNICAL SKILLS

**Languages:** C/C++, Java, Python3, SQL (Postgres), JavaScript, TypeScript

**Shell & Assembly:** Bash, Batch, UNIX Shell, Microsoft PowerShell, RiscV

**Frameworks:** Angular, Node.js

**Markup Languages:** HTML, CSS, Markdown, Yaml, L<sup>A</sup>T<sub>E</sub>X

**Developer Tools:** Git, Vim, VS Code, Visual Studio, IntelliJ, Eclipse

## AWARDS & ACCOMPLISHMENTS

Irvine R. Pounder Award, 2019. Highest GPA in Math Dept.

Math Dept. Honour Roll, 2019.

Positive Role Model Award, 2018.

Article Published in Excalibur, 2019.

Fluency in German, 2021.