



# Parsa Saeedi

## Computer Science, Year 2

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### PROFESSIONAL EXPERIENCE

#### R Shiny Web App Developer

BC Children's Hospital Research Institute • Vancouver, BC  
 Sep 2021 - May 2022

- Developed an API to process and analyze published cancer datasets
- Explored and developed methods to extract, process, store, and analyze gene expression data using R and Excel
- Developed a friendly user interface to visualize research datasets using R-Shiny

### TECHNICAL PROJECTS

#### Imago

May 2022

- Developed a multithreaded CLI image editor. User can adjust luminance, saturation, hue, highlights, shadows, and vignette of image.
- Made with C++.

#### Opus

Nov 2021

- Developed a GUI To-Do list app. User can organize tasks by tags, importance, urgency and due date. Created JUnit testing on the application to ensure input and output of the program worked as expected.
- Made with Java and Swing.

#### FastTyping

Sep 2020

- Designed and developed a full-stack Flask web application to test typing speed. User can make an account, see progress, and compete with friends.
- Made with HTML, CSS, JavaScript, SQLite3, and Flask (Python).

#### Pizza Clickers

Aug 2021

- Developed an iOS idle game with upgrades, achievements, and auto clicker. Uses data persistence and auto layout.
- Made with Xcode and Swift.

#### Hyellow (Hackathon)

Aug 2021

- Developed a full-stack dating website that matches users based on MBTI character type. Collaborated with 3 other team members in BC Hacks Hackathon.
- Made with HTML, CSS, JavaScript, SQLite3, and Flask (Python).

### TECHNICAL SKILLS

#### Software Development

- C / C++
- Java
- Swift
- R
- Python

#### Web Development

- React
- HTML
- CSS / SASS
- JavaScript
- SQLite3
- Flask
- R Shiny

#### Tools

- GitHub / Git
- Xcode
- Visual Studio Code
- IntelliJ
- JUnit Testing

### EDUCATION

#### Computer Science (BSc)

University of British Columbia

- Year 2
- GPA: 83%
- 2021 Dean's List

### ADDITIONAL EDUCATION

#### CS50 (Certificate)

HarvardX - Sep 2020

- Harvard's introductory CS course
- Learned C, Python, SQLite3, HTML, CSS, JavaScript, and Flask

### INTERESTS

- Piano, Guitar, Philosophy, Photography, Science, Astronomy, Gaming