

# JOHN GILPIN

SOFTWARE DEVELOPER

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## CONTACT

778-320-3509

JOHNNYRGILPIN@GMAIL.COM

BURNABY, BC V5J 1K6

JGILPN.GITHUB.IO

## WORK EXPERIENCE

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### IMSIMPY

INDEPENDENT CONTRACTOR | MAY 2020 - DEC 2020

- A medical imaging simulator converted from the client's MATLAB ImSim to Python.
- Technologies: Python (Tkinter, NumPy, SciPy, Sci-Kit Image)

## RECENT PROJECTS

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### MEME MAKER

WEB APP & REST API | NOV 2020 - DEC 2020

- A web application for users to create and share fun images and memes.
- Front-end: HTML5/CSS, Bootstrap, JQuery, SwaggerUI
- Back-end: NodeJS, Express, MySQL, Amazon S3

### ABALONE AI GAME AGENT

AI & ML | OCT 2020 - DEC 2020

- An abalone board game program with AI game agent.
- Technologies: Python (PyGame, Tkinter, Sci-Kit Learn)

### PROJECT TREE HOUSE

WEB APP | MAY 2019 - JUN 2019

- A platform for NGOs and social care workers to connect potential volunteer housing with at-risk youth
- Front-end: HTML5/CSS, Bootstrap, JQuery
- Back-end: Firebase

## SKILLS

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**General:** Object Oriented, Relational Database, Agile/Scrum, AIML

**Software Development:** Python, Java, C

**Web Development:** HTML5, CSS, JavaScript ES6

**Backend:** NodeJS, MySQL, NoSQL (Firebase)

**Frameworks/Libraries:** ReactJS, React Native, jQuery, Bootstrap

**Tools:** Git/Github, JetBrains (PyCharm, IntelliJ, WebStorm)

## EDUCATION

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### DIPLOMA - COMPUTER SYSTEMS TECHNOLOGY

BC INSTITUTE OF TECHNOLOGY | 2019 - 2020

BURNABY, BC

### UNDERGRADUATE - BIOCHEMISTRY

UNIVERSITY OF BRITISH COLUMBIA | 2015 - 2017

VANCOUVER, BC