


COMPUTER ENGINEER

# JULIEN PHILLIPS

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## PERSONAL PROFILE

Computer engineer with a passion for software development. Well-versed in writing code to create functional, user-friendly and dependable software. Eager learner who adapts quickly to new environments. Team player who enjoys working with others. Confident communicator in English and French, both orally and written.

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## EDUCATION

### MCGILL UNIVERSITY

Bachelor of Computer Engineering  
Montreal, Canada  
2017-2021

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## SKILLS

### LANGUAGES

- Python
- Java
- C
- Kotlin
- JavaScript
- Bash
- HTML
- CSS

### TECHNOLOGIES

- Git
- Firebase
- MongoDB
- SQL
- Django
- MS Office

## WORK EXPERIENCE

### RESEARCH INTERN

Nuance Communications | May 2020 – Aug 2020

- Built a classifier capable of determining a conversation path based on data from call centres. The classifier used the text from thousands of conversations and a predetermined set of rules to classify a conversations intent.
- Created a dashboard to compare metrics between different build versions of the same project, allowing my team to view which metrics were suitable and regressing.
- Integrated support for custom metric baselines for different build versions in order to determine whether a build version is suitable based on client requirements.

### RESEARCH INTERN

Nuance Communications | May 2019 – Aug 2019

- Created python scripts that allowed the Nuance research team to view groups of utterances as a dialogues, enabling them to check if their software was behaving as expected over the course of a dialogue.
- Improved a parser to extract additional research data the team wanted.
- Wrote a bash script to automate the parsing of new files.
- Added support for German users to be able to pronounce English letter abbreviations in German and Germanized English.
- Enhanced a web-app's data visualization features to view specific metrics using HTML, CSS, JavaScript, Jinja2, Python and Chart.js.

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## PROJECTS

### ANDROID APPLICATION

Fygo | Sept 2020 – Apr 2021

- Responsible for the complete development of the application in Kotlin using best practices.
- Integrated the application with existing Firebase backend.

### DETECTING & TRACKING PEOPLE IN VIDEO

McGill University | Jan 2021 – Apr 2021

- Contributed to the creation of a pipeline capable of detecting, localizing and tracking individuals walking across a scene.
- Played major role in data cleanup and setup and developing the localizer
- Played a minor role in creating the classifier capable of detecting person patches in each video frame.