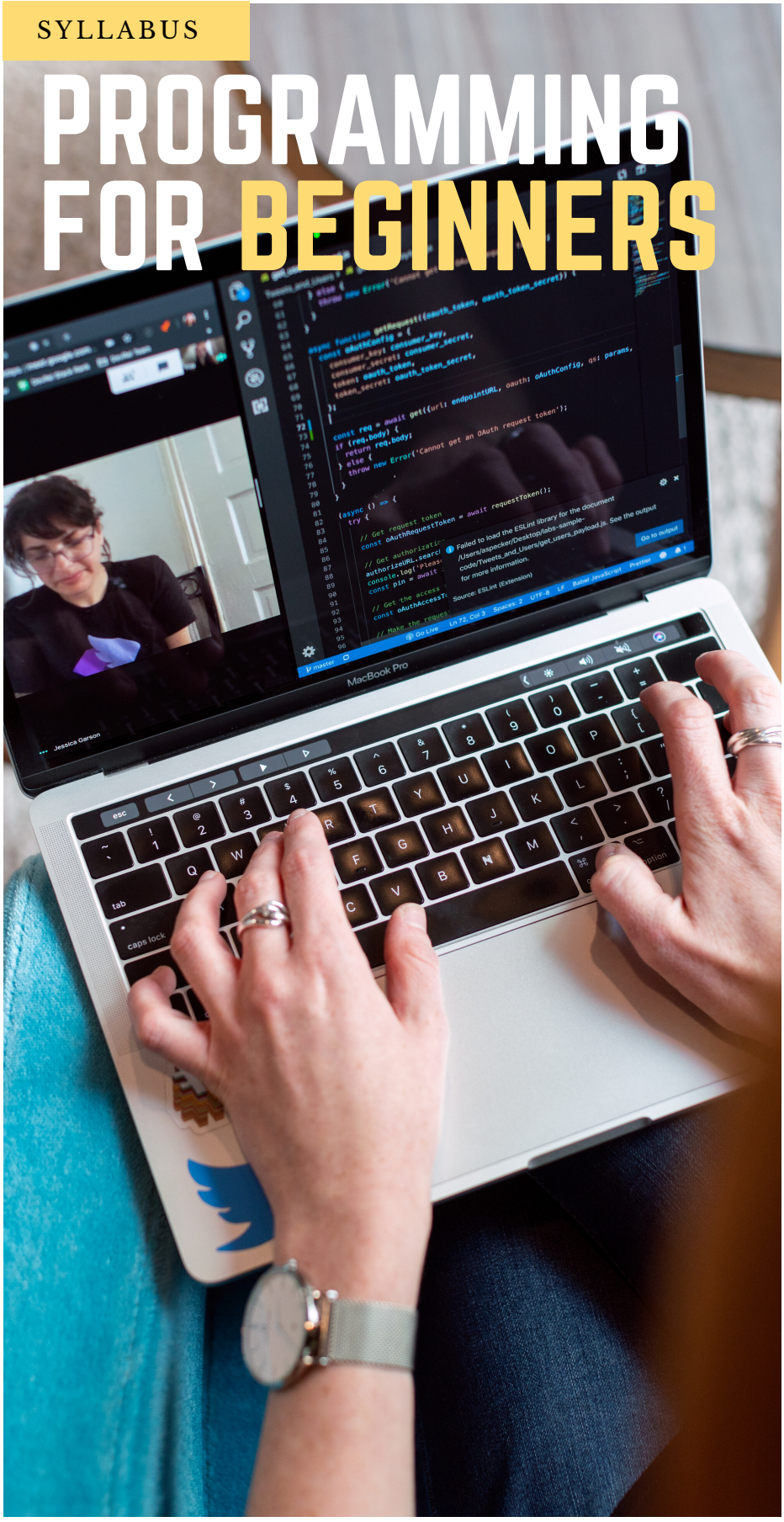

LEARN
TO CODE
IN PYTHON
TEACHING TECH FOR ALL AGES
VIRTUAL CLASSES SUMMER 2020

SYLLABUS

PROGRAMMING FOR BEGINNERS



THIS COURSE WILL GO OVER ALL OF THE FUNDAMENTALS OF HOW TO PROGRAM AND HOW TO THINK LIKE A COMPUTER SCIENTIST

HIT THE GROUND RUNNING

From the first class I will be teaching bit by bit, all of the necessary syntax and keywords use in python at a level that an 8 year-old will be able to understand and use to answer simple questions. We will work together to think of real world examples and create relationships of code and how to think like a developer.

Syllabus:

- Week 1 (Introduction):
  - Introduction
  - Output
  - Variables
- Week 2 (Basic Syntax):
  - Data type
  - User input
  - Math Operators
- Week 3 (Decision Making):
  - Code Indentation
  - Comparators
  - Fulfill Conditions
- Week 4 (Lists):
  - List
  - Index
  - List Operations
- Week 5 (For Loop):
  - For loop
  - Break & Continue
  - Nested For Loops
- Week 6 (While Loop):
  - While loop
  - Nested While Loops
  - Loops Summary
- Week 7 (Functions):
  - Declaration
  - Paramaters
  - Usage
- Week 8 (Code For Life):
  - IDE
  - Comments
  - Problem Solving

ABOUT ME

SHAAN BHOI

Shaan Bhoi is an undergraduate student at the University Of Ottawa. He is currently studying in the Joint Honours Bachelors of Science in Mathematics and in Computer Science.

Raised in the West Island, he is passionate about teaching others, as well as helping out around his community. Since a young age, he would take time out of his week to tutor at school and volunteer for the veterans hospital. He joined the Royal Canadian Air Cadets at 12, and completed many courses, camps and extra activities. On the weekends you could find him camping and enjoying all of what the great outdoors has to offer -- you can still find him there.

Now, he is doing everything he can to be at the forefront of the intersection of business and technology. His interests lie FinTech and IT security. This summer he is doing a part-time remote internship for privileged access management with an internationally recognized firm.