

# CPS SHORT TERM PROGRAM

*Face to Face*  
Santos - Sao Paulo - Brazil

# 2023

**ARInter**  
Assessoria de  
Relações Internacionais

**CPS**  
Centro  
Paula Souza



**SÃO PAULO**  
GOVERNO DO ESTADO



## **CPS Short Term Program 2023 - 5th Edition** **July 24 to August 4**

The Program offers 1 or 2 weeks of international immersion with high education level courses:

**Week 1:** Brazilian Culture & Language (30 hours)

**Week 2:** Computer Sciences Technology Courses

**1** – Developing Mobile Apps with React Native (40 hours)  
**or**

**2** – Functional Programming and Applications (40 hours)

Courses taught in English. Certification for approved students. Applications must be made by partner institution's international office via e-mail ([mobilidade.arinter@cps.sp.gov.br](mailto:mobilidade.arinter@cps.sp.gov.br)). Valid cooperation agreement between your institution and CPS is preferable but now required.

**LIVE THIS EXPERIENCE!**

<https://arinter.cps.sp.gov.br/short-term-program/>

*Follow us on social media:*

**@arintercps**





**ARInter**  
Assessoria de  
Relações Internacionais

**CPS**  
Centro  
Paula Souza

**SÃO PAULO**  
GOVERNO DO ESTADO

## Brazilian Culture & Language

July 24 to July 28

This course promotes a 1-week cultural and academic immersion for international students interested in improving their communication skills in Portuguese and live Brazilian culture at its best.

### Course content:

- **Masterclasses:** Brazilian History; Culture and Society; Brazilian Parties and Folk

- Making friends in Brazil
- City life
- Brazilian life style
- Cultural Tourism: Walking tours, Museums, Dinner parties and more!

### Requirements:

- Minimum 18 years old
- Undergraduation or Graduation active enrollment
- Proficiency in English language: B1

### Instructors:



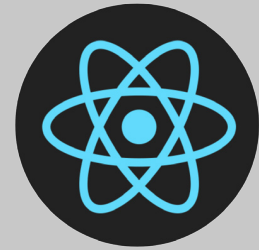
#### **Prof. PhD. Eveline Katia de Souza Pontual Cavalcante**

PhD in Educational Psychology and a Master's degree in education from Ohio University USA, in the field of Instructional Technology (2004). Graduated in Language (Portuguese, English, French and respective Literatures from the Catholic University of Santos, 1981.



#### **Prof. MEd. Cybelle Croce Rocha Crane**

Master's Degree in Linguistics and Literary Studies in English from the University of São Paulo with extensive experience in the field of Language. University professor for over thirty years, in addition to working with production, book editing, text reviewing and translation.



**ARInter**  
Assessoria de  
Relações Internacionais

**CPQ**  
Centro  
Paula Souza

**SÃO PAULO**  
GOVERNO DO ESTADO

## Developing Mobile Apps with React Native

July 31 to August 4

This course will cover the essential features of React Native: most used widgets, local storage, external APIs and Firebase Platform. React Native has a unique approach to deal with native components of each platform, implementing components through a rendering engine of its own, therefore eliminating the need to convert commands for Android and iOS.

### Course content:

- Native and Hybrid Mobile Technologies and Introduction to the JavaScript language
- Component, Prop, State and React Hooks
- Main UI components
- App Development with Public APIs
- Final Mobile App Project with Public APIs

### Check out the requirements

- Minimum 18 years old
- Undergraduation or Graduation active enrollment
- Proficiency in English language: B1

### Instructors:



#### Prof .Me. Joseffe Barroso de Oliveira

MBA in Strategic Business Management and PhD in Engineering (in progress). Graduated in Systems Analysis and Development at FATEC. IT Manager at Whirlpool Corporation and Professor at FATEC and FIAP.



#### Prof. Me. Davi Silvestre Moreira dos Reis

EMBA in Leadership & Management and PhD in Engineering (in progress). Technology and Software Engineering Manager at upLexis Tecnologia and Professor at FATEC and FGV.

# Functional Programming and Applications

July 31 to August 4

The main goal of this course is to provide students with a way of reasoning about functional programs and to equip them with the tools and techniques needed to solve computer science problems. Another goal is to introduce students to the Haskell and Agda programming languages, as well as introduce more advanced topics such as type theory and category theory.

Additionally, a computer science challenge will be provided to help students grasp the functional programming way of thinking.

## Course content:

- GHC compiler (The Glorious Glasgow Haskell Compiler) 8.6.5;
- ghcup, cabal, and other Haskell related tools;
- Agda and emacs.

## Check out the requirements

- Minimum 18 years old
- Undergraduation or Graduation active enrollment
- Proficiency in English language: B1

## Instructors:



### Prof. Me. Alexandre Garcia de Oliveira

Master's degree in IT and Mathematics and PhD in IT from USP (in progress). Professor at Fatec Baixada Santista. Experienced in Computer Science with emphasis on Functional Programming and Applied Mathematics in Numerical Analysis.



### Prof. Me. Felipe Cannarozzo Lourenço

Master's in IT from USP. Graduated in Systems Analysis and Development and in Internet Systems. Professor at Fatec Baixada Santista. Experience in Computer Science / Information Systems and teaching with emphasis on the development of information systems for the Internet, Functional Programming paradigm with Haskell, Yesod and Obelisk framework. Experience with Java SE and Java EE.



## **THE CITY OF SANTOS**

The most populous city  
on the coast of São Paulo  
with 7 km of beach

Santos is a port municipality in the Metropolitan Region of Baixada Santista, located on the coast of the state of São Paulo, in Brazil, 72 km distant from São Paulo capital city and with a population of 434.000 people.

With the largest economic participation in the aforementioned region, it houses the largest port in Latin America, the main responsible for the economic dynamics of the city alongside tourism, fishing and trade, occupying 10th place according to quality of life.

The city is home to several higher education institutions as well as the oldest general student body in Brazil, Centro dos Estudantes de Santos.

Santos' main attraction is its seven kilometers of beach, accompanied by the largest waterfront garden in the world - a title granted by Guinness World Records.



*Fatec Baixada Santista – Rubens Lara*

# SHORT TERM PROGRAM

*Face to Face*

**Santos - Sao Paulo - Brazil**

**Join us for this  
experience!**

Contact us for a guide  
to help you get ready  
for your  
travel to Santos:

[mobilidade.arinter@cps.sp.gov.br](mailto:mobilidade.arinter@cps.sp.gov.br)



# Follow us on social media



Arintercps



@arintercps



@arintercps



arintercps



Arintercps



[arinter.cps.sp.gov.br](http://arinter.cps.sp.gov.br)



[ari@cps.sp.gov.br](mailto:ari@cps.sp.gov.br)







**ARInter**  
Assessoria de  
Relações Internacionais

**CPS**  
Centro  
Paula Souza

 **SÃO PAULO**  
GOVERNO DO ESTADO