



# Phillip Lagoc

## Machine Learning Research Assistant

Third year undergraduate researcher with experience in data analysis, modeling, Android development, and machine learning techniques that is interested in applying to an internship for Summer 2019.

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## EDUCATION

### B.S. in Cognitive Science, w/ Specialization in Machine Learning and Neural Computation

University of California, San Diego - Class of 2020

09/2016 - Present

GPA - 3.62

#### Relevant Courses

- Probability and Statistics
- Data Analysis and Modeling
- Linear Algebra
- Machine Learning
- Data Structures and Object-Oriented Design
- Vector Calculus

## WORK EXPERIENCE

### Machine Learning for Social Science Lab Assistant

The Center for Peace and Security Studies

01/2019 - Present

UC San Diego

Research center of the Department of Political Science, conducting research on the causes of war and peace through machine learning.

#### Achievements/ Tasks

- Using R to analyze a data set of over 350,000 observations that is being used to train a date parsing package.
- Wrote documentation for and modeled said data set using R's ggplot package to efficiently communicate my findings to co-workers.

Contact: Thomas Leo Scherer - [tlscherer@ucsd.edu](mailto:tlscherer@ucsd.edu)

### Research Assistant

Language Comprehension Lab

12/2017 - Present

UC San Diego

Linguistics lab exploring how a linguistic form maps to a situation model in the human brain.

#### Achievements/Tasks

- Developed an experiment using JavaScript package JsPsych, which had over 200 participants and was demonstrated in an international linguistics conference.
- Created a R script to merge .csv files from a web-page to facilitate data analysis for other assistants.

Contact: Eva Wittenberg - [ewittenberg@ucsd.edu](mailto:ewittenberg@ucsd.edu)

### Android Developer Intern

TheTalkList, LLC.

08/2017 - 01/2018

San Diego, CA

Social education platform that facilitates online tutoring and learning.

#### Achievements/Tasks

- Collaborated with an international team to test, develop, and implement UI changes in their Android tutoring app.
- Found and debugged over 10 bugs in each new APK.
- Told by CEO Andres Abeyta that I exemplified communication and problem-solving skills.

Contact: Andres Abeyta - [aabeyta@thetalklist.com](mailto:aabeyta@thetalklist.com)

## SKILLS

Java

HTML/ CSS/ JavaScript

Android

Jupyter Notebook

Python

Git

Tutoring

Cooperative

Fast-Learner

Communication

R

C

## PERSONAL PROJECTS

### Titanic Challenge (11/2018 - 12/2018)

- Competed in Kaggle's Titanic challenge, where I had to solve a binary classification problem.
- Using scikit-learn and Jupyter Notebook, I pre-processed the given data, analyzed it, and trained 7 models before aggregating them via ensemble learning, which achieved an accuracy of 0.77.

### Personal Website (10/2018 - 10/2018)

- Used HTML, CSS, and JavaScript to launch my own website.
- Taught myself the fundamentals of web development.

### Frogger (09/2017 - 09/2017)

- Developed a clone of Frogger using JavaFX.
- Created and incorporated a personal "Game Engine" to facilitate sprite creation and hit-box detection for this and future games.

## ORGANIZATION

### Cognitive Science Student Association (06/2018 - Present)

Responsible for engaging the UCSD Cognitive Science Community through professional and academic development events and networking events.

### FelicityCBT (09/2018 - Present)

Android developer responsible for implementing the functionality and UI of this self-help cognitive behavioral therapy app.

## CERTIFICATES

Machine Learning by Stanford University on Coursera (07/2018) 

Certificate of Writing Excellence (10/2017)

## LANGUAGES

Spanish

