Phillip Lagoc

Machine Learning Research Assistant

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Third year undergraduate researcher with experience in data analysis and modeling, Android development, and machine learning techniques that is interested in applying to an internship for the 2018 school year and Summer 2019.

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 - 3.61*

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 data sets and determine leading causes of political crises.
- Collecting and cleaning data using R for various projects under the MSSL.

Contact: Thomas Leo Scherer – 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

- Conducting and designing online experiments in JavaScript, and analyzing data sets of hundreds of participants using R.
- 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

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

SKILLS

Java | HTML/ CSS/ JavaScript | Android | Jupyter Notebook | Python | Git | Tutoring | Cooperative | Fast-Learner | Communication | R

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.

CERTIFICATES

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

Certificate of Writing Excellence (10/2017)

LANGUAGES

Spanish   ● ● ○ ○ ○