

**Republic of the Philippines**  
**PHILIPPINE SPACE AGENCY**

12 December 2020

**TO: Sir Joel Joseph S. Marciano Jr, Ph.D.**  
**Director General**

Dear Sir,

I am writing this letter of intent because I have the interest to apply for the position of Science Research Specialist II (**PHILSAB-SRAS2-13-2020**) under the Space Security Technology Division. Together with this letter, I attached the following documents:

1. Updated Personal Data Sheet and Work Experience Sheet
2. Individual Performance Rating from last semester
3. Scholastic Records (Diploma and Transcript of Records)
4. Certificate of Eligibility/Board Results
5. Training Certificates
6. Employment Certificate

Currently, I am a Computer Programmer I at the Department of Transportation, under Management Information Service – Computer Systems Division. Primarily, I am responsible for a wide range of activities. I am part of the Software Development Section which handles the design testing and development of applications under DOTr. Because of this, I am knowledgeable in Python Development, Web Analytics, ETL, and Object Relational Mapping. Also, I am part of the Data Analytics Section which handles the transportation research thru Data Science. My function in this team is to design an algorithm that detects the stay points of GPS data on road sector. These responsibilities helps me to become knowledgeable in machine learning, from supervised methods (Linear and Logistic Regression) and unsupervised methods (K-Means, DBSCAN, and OPTICS).

I have an Electronics Engineering degree at New Era University, and I passed my licensure examination last October 2018. As an Engineer, I have an interest in research and development, and someday it is my goal to be in this field. During my undergraduate study, I have exposed myself to various research and prototyping activities. My capstone project entitled “Convertible Infection Control System using UVGI and Demand Controlled Ventilation” was recognized as 3<sup>rd</sup> place in medical and health category in New Era University Science Fair 2017.

I believe that my experiences and acquired knowledge will contribute to the agency someday. I am looking forward to speaking with you about this opportunity.

  
PATRICK JOSE C. ROXAS