

Republic of the Philippines
DEPARTMENT OF TRANSPORTATION

12 December 2020

TO: Sir Erwin C. Carbungco
OIC, Personnel Divison

Dear Sir,

I am writing this letter of intent because I have an interest to apply for Computer Programmer II (**OSEC-DOTrB-COMPRO2-156-2017**) under Computer Systems 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

Currently, I am a Computer Programmer I at the Department of Transportation, under Management Information Service – Computer Systems Division since June 2019. Primarily, I am responsible on 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 which detects the stay points of GPS data on road sector. I am also 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 on various research and prototyping activities. My capstone project entitled “Convertible Infection Control System using UVGI and Demand Controlled Ventilation” was recognized as 3rd place on medical and health category in New Era University Science Fair 2017.

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

Thank you for your time and consideration.


PATRICK JOSE C. ROXAS