**Anthony David Macpherson**

**Profile**

Software developer with over five years of software development experience in full-stack Java development and Python data analysis. Looking to join a team to maximize my contribution and expand my knowledge base by working with fellow engineers on up-and-coming technologies.

**Skills**

* Extensive experience with Python 3, Git, PostgreSQL, MySQL, SQLAlchemy
* Knowledgeable of AI models, Pandas, HTML, JavaScript, Jira, Confluence
* Experience with Java 8/11, C++, C#, Spring Boot, Spark, Looker, GCP, Vue.js, R, Angular

**Experience**

**Contractor at DataAnnotation, Remote**

January 2024 – Current

* Improved the accuracy, correctness, and helpfulness of AI models intended as programming aids by evaluating their responses to coding prompts
  + Evaluated models’ ability to program in Python, Java, JavaScript, HTML, C++, C, C#, and R using Jupyter Labs, Spring Boot, and Visual Studio Code
  + Developed AI models’ ability to read and process data analysis prompts using Python and Pandas

**Software Engineer 1 at Cognizant contracted to Verizon, Irving Texas**

February 2023 – August 2023

* Explored how Looker Extension Framework could provide business insights for Looker dashboards
* Optimized code that generated statistics for various database table features using Spark
* Researched and trained in GCP

**Software Engineer 1 at Oneil Digital Solutions, Plano Texas**

August 2020 – August 2022

* Maintained internal Python technologies used in data processing for the creation of physical mail
* Ensured clients had consistent and accurate billing statements by developing automation scripts using Python and SQLAlchemy
* Documented existing internal technologies and database designs using Confluence
* Prototyped the first iteration of the user interface for a technology designed to diagnose issues in internal and client systems using VueJs

**Software Engineer at Revature contracted to JB Hunt, Plano Texas**

January 2019 – March 2020

* Developed a driver tracking application
* Modernized the code base for tracking deliveries using Java and Spring Boot
* Provided quality assurance through the development of unit tests following Test Driven Development design philosophy

**Education**

**Bachelors of Science: Computer Science, University of California, Riverside, California**

September 2012 – June 2018