

NICHOLAS MULLER

Portland, OR. | nicholas.c.muller@gmail.com | (425) 239-9870
[linkedin.com/in/nicholas-c-muller/](https://www.linkedin.com/in/nicholas-c-muller/) | github.com/nicholasMuller

PROFILE

Organized and dedicated Master's recipient from Portland State University ready to excel in the field of computer science with expertise in Software Engineering, Web Development and Data Engineering. Actively seeking full time opportunities in Software Engineering and Development. As a professional I aim to utilize my skills in analysis and problem-solving to contribute to your organization's success.

PROJECTS AND WORK EXPERIENCE

Place The Bet – An interactive web application to aid in sports betting decision making, providing predictive analysis based on chosen statistics. Provides authentication as well as personal database options for the user. This is an ongoing personal project that will continue to scale up and expand in functionality.

- TypeScript, JavaScript, React.js, Node.js, Docker, Firebase, Firestore, REST, JSON, Config, JSX, VITE, Bootstrap, HTML, CSS.

TriMet Transit Data Pipeline - Data Pipeline for the transit organization TriMet based in the metropolitan area of Portland, Oregon. 2M sensor breadcrumb data readings sent through the pipeline daily.

- Project received the grand prize in Data Engineering course.
- Python, Google Cloud Platform, SQL, PostgreSQL, Confluent Kafka, Pandas, Linux, Regex, Virtual Machine, Data Engineering Science and Analytics with Data Visualization.

Monocular Depth Estimation - Computational Imaging term project aimed at accurately predicting depth from a single 2D image. The model is trained on a dataset of 2D images and attempts to predict unseen test images.

- Machine Learning, TensorFlow, Python, Jupyter Notebook, Numpy, Matplotlib

Android Phone Bill Application – Phone bill application to develop advanced Java skills. Functioning Android application tested on Android virtual machine.

- Java, Android Studio, JUnit, Gradle, Maven, XML.

EDUCATION

Portland State University – M.S. Computer Science

2020-2023

- 3.82 GPA
- Computer Action Team - Faculty led student driven technology department for the University. Troubleshooting and technical support for students and faculty.
- Code Party - Weekly troubleshooting with peers on various current projects.

University of Idaho – B.S. Broadcasting and Digital Media

2010-2013

- Emphasis in Audio Engineering, Minor in Music.
- KUOI Radio - Hosted weekly music-based program.

RELEVANT SKILLS

Object Oriented Design, Functional Programming, Test Driven Development, Code Reading and Reviews, Algorithm Design and Analysis, Data Structures, Agile Development, Git, IDEs, Lint.