

# Todd Munyon

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## Experience

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**Machine Learning Engineer** | Accenture/Verizon | Boston, MA Nov 2020 – May 2022

- Solely responsible for the development, testing, and deployment of 6 Supervised Learning model candidates.
- Analyzed, cleaned, and feature engineered 10+ data sets totaling over 50m fields, modernizing the company's 20 year-old database for modeling.
- Improved cell-site deployment accuracy by ~80%, refining budgeting and time allotments 3 years in advance.
- Provided data visualizations with the model's performance and target improvements to upper-management.  
[PostgreSQL](#) | [Python](#) | [Pandas](#) | [PyTorch](#) | [Scikit-learn](#) | [Tableau](#) | [Seaborn](#) | [Matplotlib](#)

**Data Science Lead** | BloomTech | San Francisco, CA Oct 2019 – Aug 2020

- Lead a team of 7 students through their 9-month Data Science cohort, supervising day to day tasks.
- Performed daily code reviews and QA, ensuring full functionality of team's projects.
- Orchestrated daily meetings with individual team members for code assessment and feedback reports.
- Directed daily stand-up meetings for progress briefings to uphold Agile practices and coordinate next steps.  
[Python](#) | [Pandas](#) | [Colab](#) | [Scikit-learn](#) | [Flask](#)

**Digital Marketing Supervisor** | Greentique Hotels | Costa Rica Dec 2017 – Dec 2018

- Launched and managed the digital marketing division for a 4-hotel chain, establishing its full online presence.
- Directed marketing campaigns, boosting qualified leads by ~130% and increasing sales conversion rates by ~30% within the first year. Presented performance improvement data to shareholders.
- Held weekly meetings with upper-management to review performance and discuss sales targets.
- Managed a team (Video Editor, Social Media Manager), ensuring their daily progress towards marketing goals.

## Projects

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**WellnessGuard** | [Python](#) | [Pandas](#) | [XGBoost](#) | [Scikit-learn](#) | [Matplotlib](#) | [Seaborn](#) [Notebook](#)

- Developed a ML model that predicts the attendance rate for medical appointments to improve patient outreach and prevent no-shows ahead of time.
- Exhibited a ROC-AUC score of 0.74 on first pass, with a true positive precision of 80% and a recall of 99%.

**MyDish** | [Python](#) | [Google Vision OCR](#) | [NLP](#) | [Regex](#) [Github Repo](#)

- Built an OCR Image Parser capable of extracting recipes from a photo for a version-control cooking mobile app.
- Used RegEx and NLP models to scan, interpret, and transform user recipe data to be used by the front-end.

**PicMetric** | [Python](#) | [Flask](#) | [Resnet50 Neural Network](#) | [PostgreSQL](#) [Github Repo](#)

- Webapp for displaying classifying and displaying categorical information on uploaded photos.
- Pickled a pre-trained Resnet50 Convolutional Neural Network specializing in object detection.
- Deployed Flask webapp to interface between the front-end, the model, and the PostgreSQL database.

## Skills

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**Languages:** Native English & Spanish, Python, C++ , Java, JavaScript, SQL

**Technologies:** Pandas, Flask, Keras, PyTorch, TensorFlow, Scikit-learn, NumPy, SciPy, NoSQL, MongoDB, PostgreSQL, SQLite, AWS, PyPlot, Seaborn, Matplotlib, XGBoost, Tableau, NextJS, React

## Education

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**Western Governor's University** | Bachelor of Science in Computer Science

*Mar 2024 - Expected 2026*

**Bloom Institute of Technology** | Data Science Graduate

*Aug 2019 - Aug 2020*