

HI, I'M CONNOR BRINTON

I'm a machine learning engineer with experience building, deploying, scaling and iteratively improving ML services that power millions of user interactions every month.

Recent Experience

Senior Machine Learning Engineer

Zoom

May 2022 -



acquired
by Zoom

Senior Machine Learning Engineer

Solvvy

February 2021 - May 2022



Data Scientist

Solvvy

June 2018 - January 2021

Education

Master of Science

Stanford University

Biomedical Informatics

Conferred June 2019



Bachelor of Science

Stanford University

Computer Science

Emphasis in Artificial Intelligence

Conferred June 2018

Publications

["How GPCR Phosphorylation Patterns Orchestrate Arrestin-Mediated Signaling," Cell, December 2020](#)

Accomplishments

- Led data science team strategy and day-to-day operations over the past year and a half, including roadmap planning, hiring, team assignments, daily standups, weekly team meetings and cross-department communication
- Increased end-user self-service rates from 27% to 54% by enhancing our question-answering and intent detection models, resulting in a 33% reduction in support costs for our clients
- Pioneered use of fine-tuned multilingual foundation models to expand and enhance language support and cross-lingual transfer capabilities across our machine learning products
- Maintained extremely high uptime of our machine learning services, despite growth from less than 1M to nearly 7M sessions per month, by continually enhancing our Kubernetes-based machine learning platform
- Significantly reduced code review and new team member onboarding time by introducing a standardized set of CI checks across all Python repositories, including linting using PyLint, type-checking using Mypy and autoformatting using Black

Open-Source Contributions

- 🔧 [TensorFlow: Loosen version constraints on typing-extensions](#)
- 🔧 [TensorFlow Text: Fix macOS packaging](#)
- 🔧 [spaCy: Add Mypy check to CI and introduce many type annotation improvements](#)
- 🔧 [Thinc: Fix Mypy plugin crash on variadic arguments](#)
- 🔧 [Flair: Show allennlp import errors when installed](#)
- 🔧 [Poetry: Fix request authentication when credentials are included in URLs](#)
- 🔧 [Typeshed: Fix incorrectly named parameters in logging module](#)
- 🔧 [GQL: Add type overloads for getexecutionresult](#)
- 🔧 [Graphene-SQLAlchemy: Don't suppress SQLAlchemy errors when mapping classes](#)
- 🔧 Documentation contributions to [HF Transformers](#), [Ariadne](#), [Boltons](#) and [Cirrus CI](#)

Technologies

DEEP EXPERIENCE Python Poetry Mypy Flask Tornado Starlette GraphQL SQL NumPy SciPy Pandas Scikit-Learn TensorFlow PyTorch spaCy HF Transformers Git Docker Kubernetes Argo Workflows PostgreSQL

FREQUENT USAGE TypeScript PyLint Black loguru PyTorch Lightning Optuna modAL ELI5 Google Cloud Platform (GCP) Datadog Pulumi Dependabot

FAMILIAR C/C++ Java

FUN STUFF I USE Zsh Starship bat fd dust PyEnv Volta Exa Zoxide r9 ripgrep