

samuel weitzman

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work - aquabyte

Lead Machine Learning Engineer

Jan. 2024 - Present

Previously Senior Machine Learning Engineer

Feb. 2022 - Jan. 2024

- Trained computer vision models for classification, keypoint detection, and 3D geometry to weigh salmon from a stereo camera system.
- Deployed multiple models to both AWS cloud environments and edge devices.
- Models are active in production running inference on millions of images a day.
- Comfortable working on all parts of the stack: modeling, data pipelines, infrastructure, backend, and frontend.

work - cisco meraki

Machine Learning Engineer

Sep. 2018 - Jan. 2022

- Developed anomaly detection and timeseries forecasting models for networking issues and bandwidth use.
- Inventor on patent for internet outage detection (US11398970B2).
- Collaborate closely with PM to define product decisions and roadmap.

education - brown university

B.Sc. Mathematics - Computer Science

Sep. 2014 - May 2018

GPA: 4.00

about me

I want my work to solve critical climate and environmental problems. I thrive with a challenging technical problem and owning a project from research to deployment. Outside of tech my interests include sustainable agriculture, trail running, and cooking with friends.

languages

| | |
|------------|------|
| Python | |
| SQL | ... |
| Terraform | .. |
| Bash | .. |
| Javascript | .. |
| TeX | .. |

libraries

| | |
|---------|------|
| Pandas | |
| Pytorch | |
| NumPy | |
| sklearn | ... |
| Open CV | ... |
| MLFlow | .. |

tools

| | |
|---------------|------|
| Docker | |
| Git | |
| AWS | |
| Postgres | .. |
| NVIDIA Jetson | .. |