

Max Hoffman

maximilian@wustl.edu | <https://maxh.ai> | 414.491.4294

EXPERIENCE

FACTUAL | SOFTWARE ENGINEER

Feb 2019 - present

- ETL, data infrastructure, predictive modelling

CONTRARY CAPITAL | VENTURE PARTNER

Jan 2018 - present

- Invest in tech startups around the world.
- Support local entrepreneurs in Saint Louis and Los Angeles.

WASHU | DEEP LEARNING ENGINEER

May 2018 - Jan 2019 | St Louis, MO

- ETL, internal tooling and infrastructure, A/B testing.

HACK REACTOR | SOFTWARE ENGINEERING BOOTCAMP

May 2017-Aug 2017 | Los Angeles, CA

- 16 weeks of front and backend web-dev in JS.

RESEARCH

WASHU | RESEARCH ENGINEER

Swamidass Lab | May 2018 - Jan 2018

- Predicted quantum chemical properties with graph recurrent networks (Matthew Matlocks's Wave algorithm).
- Incorporated 3d molecular geometry to improve coordinate-free graph modelling.

Wessel Lab | Aug 2017 - Dec 2017

- Applied dynamics-parsing algorithm (SINDY) to neural spike trains in mice.

POMONA COLLEGE | RESEARCH ASSISTANT

Sazinsky Lab | 2015-2016

- Cultured, purified and analyzed a biofilm protein responsible for *S. aureus* colonization/infection.

Shtylla Lab | 2015-2016

- Modeled the mitotic spindle and motor mechanics of *C. elegans* asymmetric first division.

Fryer Lab | 2013-2014

- Applied evolutionary dynamics to chemical reactions.

PROJECTS

TFLON | PYTHON

May 2018 - Jan 2019 | Swamidass Lab

- Contributed to Matthew Matlock's open-source "non-stick Tensorflow" helper library, designed to ease data-loading, and model-building + training + evaluation.
- Helped write multiprocessing logic to relieve pre-processing bottlenecks.

GENNUITY | SOLIDITY + NODE

Aug 2017 | Hack Reactor

- A smart contract for age-insurance, i.e. crypto-pension, i.e. crypto-tontine.

COIGN | SWIFT + FLASK

Jan 2017 - May 2017

- An iOS app to productively channel outrage politics.

EDUCATION

WASHU MEDICAL SCHOOL

2017-2018 | St. Louis, MO | MCAT: 39
On leave

POMONA COLLEGE

BA MATHEMATICS, CHEMISTRY

2012-2016 | Claremont, CA

Summa Cum Laude

Cum. GPA: 3.96

SKILLS

- Python, Scala, Java
 - Spark, TF, PyTorch
- C, C++, Rust, Go
- JS web-stack
- AWS cloud-stack
- Docker, k8s, Mesos