

Scott Werwath

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EDUCATION

University of California, Berkeley
B.S. Electrical Engineering & Computer Sciences

September 2015–December 2018
GPA (major): 3.80, GPA (overall): 3.65

EXPERIENCE

Fathom Health
Software Engineer

March 2020 – Present
San Francisco, California

Owned and led monitoring, alerting and system resiliency projects and on-call processes to ensure compliance with customer SLAs as production ML systems scaled over 1000x

Created production deep learning NLP models trained on mutli-terabyte datasets of medical documents, including dataset creation, cleaning, synthetic example generation, model tuning, training, and evaluation, and automated checks on model predictions in production to ensure accuracy

Designed engineering processes to rapidly integrate with new enterprise customers as company scaled

Technology Used: Python, Spark, Airflow, GCP, Tensorflow, Kubernetes

The Human Diagnosis Project
Software Engineer

January 2019 – Present
San Francisco, California

Created online models to measure the clinical reasoning abilities of physicians as they solved patient cases

Overhauled recommendations engine to serve teaching cases to physicians who would find them challenging and engaging, and to triage patient cases to physicians who would be best suited to solve them

Rewrote core parts of mobile app and backend API to allow use in offline/low internet conditions

Technology Used: Python, Django, Docker, GCP, Tensorflow, React Native

Facebook
Software Engineering Intern

May 2018 – August 2018
New York, New York

Built on-client caching system for iOS clients of a cross-platform UI framework to reduce amount of source code sent over the network

Added type system to framework to extract types in Flow JavaScript and statically enforce cross-language type safety between serverside Hack code and the JavaScript it interacts with

Technology Used: Hack, Objective C, C++, GraphQL, OCaml, JavaScript

Facebook
Software Engineering Intern

May 2017 – August 2017
Seattle, Washington

Designed and built service to parse binaries, cache their symbol tables, and efficiently serve requests for symbolization of address stacks

Integrated new service into profiling tool deployed across every host in Facebook's fleet, reducing its p90 memory usage by 20% and allowing for the use of more accurate sampling techniques

Technology Used: C++, Thrift

Google
Software Engineering Intern

January 2017–May 2017
Mountain View, California

Developed NLP techniques to disambiguate entity mentions in unstructured text based on linguistic context

Wrote large-scale data processing pipelines for example generation, model training, and model evaluation

Technology Used: C++, Python, NumPy, MapReduce, TensorFlow