

Ozaner Hansha

ozanerhansha@gmail.com

ozaner.github.io

github.com/ozaner

EXPERIENCE

Twitch, Seattle — *Software Engineering Intern*

- › Developed a web service in Go to collect, consolidate, and display metrics on the health of other Twitch services.

June 2020 - August 2020

EDUCATION

Rutgers University, New Brunswick — *GPA 3.7*

SEPTEMBER 2018 - MAY 2021

- › B.S. in **Computer Science, Math, & Cognitive Science**
- › Minor in **Philosophy**.

LEADERSHIP

HackRU — *Executive Director*

DECEMBER 2018 - MAY 2021

- › Direct all subteams organizing NJ's largest student run hackathon. Interface with vendors, sponsors, non-profits, and administration.
- › Held semesterly at Rutgers University with 600+ participants from colleges around the country. Recently migrated online due to the pandemic.

PROJECTS

qRNG — *Quantum Random Number Generator*

- › Created an open source Python package that generates random numbers & data using IBM's publicly available quantum computers on the cloud.
- › Implements quantum algorithms for integer and floating point number generation.

Breast Cancer Classification — *Neural Network*

- › Developed a classifier that identifies cancerous breast cells given a set of statistical features with a 94% accuracy.
- › Model is an artificial neural network trained on the Wisconsin Breast Cancer Data Set. Built with Python, Numpy, and TensorFlow.

FileToPNG — *Generic File Encoding Tool*

- › Made a tool which can encode arbitrary files as PNGs as well as decode back to the original file.
- › Allows people to send files over image only communication lines (e.g. SMS, direct messages, etc.). Coded in Java.

COURSEWORK

› **Computer Science:**

Machine Learning, Numerical Analysis, Deep Learning, Algorithms, Intro to A.I., Comp. Architecture, Data Structures

› **Math:**

Probability Theory, Linear Algebra, Statistics, Real Analysis, Diff. Eqs.

SKILLS

› **Programming:** Python, C, Java, C#, MATLAB.

› **APIs/Libraries:** PyTorch, Numpy, Pandas.

› **Tools:** LaTeX, Git, VS-Code, Visual Studio, Eclipse.

WRITING

› I post notes on subjects pertaining to math, comp. sci., and philosophy on [my website](#).

› I write articles on [medium](#) about math and computer science for 300+ followers.