

# Ozaner Hansha

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## 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 - PRESENT

- › 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 (i.e. SMS, direct messages, etc.). Built with Java and Javafx Swing.

## SKILLS

- › **Programming:** Python, C, Java, C#, Go, MATLAB.
- › **APIs/Libraries:** PyTorch, Numpy, Pandas.
- › **Tools:** LaTeX, Git, VS-Code, Visual Studio, Eclipse.

## COURSEWORK

- › **Computer Science:**  
Intro to A.I., Machine Learning, Numerical Analysis, Deep Learning, Algorithms, Data Structures, Comp. Architecture
- › **Math:**  
Probability Theory, Linear Algebra, Statistics, Real Analysis, Diff. Eqs.

## WRITING

- › I write articles on [medium](https://medium.com) about math and computer science for 300+ followers.
- › I post more in-depth notes on subjects pertaining to math, comp. sci., and philosophy on [my website](https://mywebsite.com).