

# Ozoner Hansha

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## EXPERIENCE

### **Twitch, Seattle** — *Software Engineering Intern*

July 2020 - PRESENT

## EDUCATION

### **Rutgers University, New Brunswick** — *GPA 3.7*

SEPTEMBER 2018 - MAY 2021

- B.S. in **Comp. Sci., Math, & Cognitive Sci.**
- Minor in **Philosophy.**

## LEADERSHIP

### **HackRU, Student Run Hackathon** — *Executive Director*

DECEMBER 2018 - PRESENT

- Direct all subteams organizing NJ's largest student run hackathon: HackRU.
- A semesterly hackathon at Rutgers University open to participants from colleges around the country.
- Interface with vendors, sponsors (e.g. Facebook, Goldman Sachs), non-profits, and administration.

## PROJECTS

### **qRNG** — *Quantum Random Number Generator*

- Developed a cloud-based Python package that generates random numbers & data using IBM's publicly available quantum computers.
- 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:** Java, Python, C, Go, MATLAB.
- **APIs:** Numpy, Pandas, Tensorflow.
- **Tools:** LaTeX, Git, VS-Code, Eclipse.

## COURSEWORK

- **Computer Science:**  
Data Structures, Algorithms, Computer Architecture, Numerical Analysis, Lang. Data Processing, Intro A.I.
- **Math:**  
Linear Alg., Prob. Theory, Multivariable Calc, Diff. Eqs., Set Theory

## WRITING

- Write articles on [medium](https://medium.com) about math and computer science for 300+ followers.
- More in-depth notes on subjects pertaining to math, computer science, and philosophy on [my website](https://mywebsite.com).