

JINAY JAIN

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EDUCATION

University of Delaware

August 2020–Present

Honors B.S. in Computer Science

Distinguished Scholar

President of the Association for Computing Machinery

SKILLS

Languages	Python, C++, Java, HTML, CSS, JavaScript
Technologies	React, Express, TensorFlow, Keras
Tools	Git, Unity (C#), Jupyter, Matplotlib, Pandas

EXPERIENCE

University of Delaware, Human–Computer Interaction Lab

June 2020–Present

Research Assistant

Newark, Delaware

- Developing a nursing student training program in augmented and virtual reality.
- Programming in Unity XR Interaction Toolkit to develop deployments for Oculus Quest, Microsoft Azure Kinect, and HoloLens

Nemours Alfred I. DuPont Hospital

June 2019–August 2019

Research Assistant

Wilmington, Delaware

- Developed a machine learning algorithm to perform diagnoses on ultrasound images
- Implemented convolutional neural networks and data augmentation in Python using TensorFlow
- Applied transfer learning techniques on the Google Inception v3 model
- Project accepted to present at the Society for Pediatric Radiology 2020 Conference (cancelled)

PROJECTS

TensorFlow Competitive Programmer - a gated recurrent neural network (GRU) trained on competitive coding solutions. *Python, TensorFlow, Keras*

TiMIDity - a Python library for parsing and playing MIDI files. Published on the Python Package Index for public use. *Python*

VimDocs - a realtime, collaborative documents editor with keybindings inspired by the Vim editor and Google Docs. *Vue, WebSockets, NodeJS*

BeTrade - an online stock market game platform that hosts weekly contests, ranking each user using an Elo algorithm. *MongoDB, Express, React, and NodeJS*

HONORS / AWARDS

Google Code Jam Round 2 Qualifier, 2018 & 2019 - Top 3% of over 70,000 global participants
USA Computing Olympiad Gold Division, 2019