Lyn Cassandra Phan

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Education

Georgia Institute of Technology (Atlanta, GA) — August 2016 - December 2020
B.S. Music Technology, graduated with High Honor (GPA 3.46/4.0)
- G. Wayne Clough Promise Scholar
- Concentration: Computer Science

Experience

Mobile Phone Breathing Detection (Atlanta, GA) — August 2020 - December 2020
Brain Music Lab | Georgia Institute of Technology
- Lead developer for an Android app implementing fast and efficient breathing detection.

Assistive Chord Trainer for Keyboard Instruments (Atlanta, GA) — December 2019 - May 2020
Computational and Cognitive Musicology Lab | Georgia Institute of Technology
- Developed a unique software and documentation system to progressively and intuitively teach piano chord fingerings to students quickly and efficiently.

Machine Learning Voice Synthesis (Atlanta, GA) — August 2019 - December 2019
Robotic Musicianship Lab | Georgia Institute of Technology
- Assisted with machine learning voice synthesis for Shimon, a robotic musician designed to improvise synthesized singing and physical performance on percussion instruments.

Employment

Teaching Assistant (Atlanta, GA) — May 2020 - July 2020
School of Music | Georgia Institute of Technology
- Taught and performed administrative tasks for Intro to Music Theory I.

Recording and Streaming Team Member (Atlanta, GA) — September 2019 - March 2020
School of Music | Georgia Institute of Technology
- Provided camera, sound, and computer expertise for large concert live streaming.

IT Help Desk Assistant (2016-17) and Web Team Assistant (2017-18) (Atlanta, GA) — September 2016 - August 2018
Technology Services Organization | College of Computing | Georgia Institute of Technology
- Assisted with customer communication, software support, computer repair, and printer maintenance, documentation creation, network security, and systems administration.
- Developed software to install and manage required programs on client computers.

Skills

Programming: Java, Python, C++, Unity Engine, C#, Kotlin, Matlab, Max/MSP, PureData, HTML, CSS, Git and GitHub
Data Science: Pandas, Apache Airflow, TensorFlow, Docker, SQL, Jupyter Notebooks, Signal Processing
Interpersonal: Employee Training, Technical Writing, Documentation, Team Management, Accessibility Training
Audio Production: Avid Pro Tools, Ableton Live, REAPER, ACID Pro, Audacity, Mixing, Mastering, Production
Video Production: Adobe Premiere, Wirecast, Open Broadcaster Software, FFMPEG, Studio Management
Visual Design: Adobe Illustrator, Adobe Photoshop, Fusion 360, Blender, 3D Printing and Manufacturing

Involvement

Motorcycle Riders of Georgia Tech (Founding member) — Fall 2018 - Fall 2020
FASET Orientation Program (Orientation Leader) — Spring 2018 - Summer 2018
Tau Beta Sigma (Member) — Fall 2017 - Present
Georgia Tech Pride Alliance (Treasurer) — Fall 2016 - Fall 2017