

# CINDY BUI

## EDUCATION

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### New York University

Bachelor of Music in Music Technology, Minor in Computer Science – *summa cum laude*

Master of Music in Music Technology

New York, NY

Jan. 28, 2019

Anticipated May 2020

## AUDIO ENGINEERING & DIGITAL SIGNAL PROCESSING

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### Acoustic Calibration and Instrumentation Engineer Intern – Apple Inc. – Cupertino, CA

Jan. 2019 – present

- Specification, development and deployment of measurement systems
- Develop, optimize and debug software in C/C++/Objective-C and Python
- Develop and support calibration and analysis algorithms
- Specify and acquire equipment, components and tools for use in an NPI (New Product Introduction) environment
- Analyze large amounts of calibration and performance data
- Research and development to improve existing systems and stations

## COMPUTER SKILLS

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### New York University: Rory Meyers College of Nursing – New York, NY

Sept. 2015 – Dec. 2018

#### IT Helpdesk Technician

June 2017 – Dec. 2018

- Installed software remotely through PSTools and batch scripts
- Diagnosed and replaced failed hardware components in desktops and laptops
- Communicated with vendors for service calls and repairs
- Processed, categorized, responded, and scheduled ticket requests in ServiceLink

#### Commons Helpdesk/AV Technician

Sept. 2015 – Jan. 2017

- Assisted students with Office issues such as Word formatting and printing
- Troubleshooted MacBooks and PCs in different languages
- Operated Crestron audio/video systems for lecture halls and conferences

### New York University: Courant Institute of Mathematical Sciences – New York, NY

#### Introduction to Computer Science (CSCI.UA-101) Tutor

Jan. 2018 – Dec. 2018

- Explained fundamental programming concepts to students for their homework and exams
- Gave real-world examples of applications where those programming concepts can be used
- Tutored students individually or in small groups of up to 4 people

## LIVE AUDIO

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### Technology Coordinator – Femmelody – New York, NY

Oct. 2017 – Dec. 2018

- Recorded concerts for a feminist classical chamber music collective
- Provided and assessed equipment at multiple venues
- Mixed recordings and uploaded finished products to social media platforms

### AV Technician – Williams Institutional Christian Methodist Episcopal Church – New York, NY

Nov. 2017 – Dec. 2018

- Setup and operated audio equipment for Sunday services
- Learned signal flow and audio/video hardware
- Diagnosed and resolved all A/V issues

## TECHNICAL SKILLS

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### SOFTWARE:

**Operating Systems:** Windows 7, 8.1, & 10, macOS, Linux

**IDE's and Editors:** Eclipse, Microsoft Visual Studio, Microsoft Visual Code, Notepad++, XCode, JupyterLab

**Scripting & Environments:** Bash, Batch, Cygwin, Windows Subsystem for Linux, Anaconda

**Programming Languages:** C++, C, Python, Java

**Web/Server Maintenance:** HTML, CSS, JavaScript, PuTTY, FileZilla, Google Analytics, OpenSSH

**API's & Notable Libraries:** OpenGL/freeglut, CUDA 9.x/10, Processing, Google Apps Scripts, NumPy, SciPy, Plotly

**Audio/Music:** Finale, Max/MSP, REAPER, Pro Tools

**Markup Languages:** LilyPond, LaTeX

**Git**

### HARDWARE:

**Audio:** Signal flow, patchbays

**Computer hardware:** Diagnosing and replacing failed components, assembling custom-built PCs

**Electronics:** Arduino, soldering, breadboarding