

Sebastian Rodriguez

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EDUCATION

CARNEGIE MELLON UNI.

Grad. May 2020 | Pittsburgh, PA
**BS IN TECHNOLOGY AND SONIC
 PRODUCT INNOVATION**
 (STUDENT DEFINED MAJOR)
 BUSINESS ADMINISTRATION MINOR

ST. THOMAS AQUINAS HIGH SCHOOL

Grad. May 2015 | Davie, FL

COURSEWORK

UNDERGRADUATE

Fundamentals of Programming and
 Computer Science
 Principles of Imperative Computation
 Parallel Distributed Processing
 Multimedia Processing for the Arts
 Computer Music
 Practical Data Science

Graphic Media Management
 Intermediate Microeconomics
 Intermediate Macroeconomics
 Funding Entrepreneurial Ventures
 Business Communications
 Business Presentations
 Marketing I
 Operations Management

SKILLS

PROGRAMMING

Proficient:
 MAX MSP • Python • HTML
 CSS • C • Nyquist SAL • Bash • Java •

Jupyter Notebook • Anaconda • Object
 Oriented Programming

SQLite • Pandas • Numpy • \LaTeX •
 JavaScript • Shell • Tkinter

SKILL TITLE

Proficient:
 Ipsum • Dipsium • Deloris
 Tucker • Florid • busted • strange • plain

EXPERIENCE

PELOTON INTERACTIVE, INC. | SEASONAL SALES SPECIALIST

October 2020 – January 2020 | Pittsburgh, PA

- Worked in the Ross Park Mall Peloton Showroom on a collaborative and focused team.
- Well-versed in product knowledge, content, and financing of all Peloton Products.

FLAGS - TC INTERNATIONAL | INTERN

May 2019 – August 2019 | Port of Spain, TT

- Led team tasked with updating and digitizing file management system for real estate operations. Transitioned from paper files to project management software, improving efficiency and aiding retrieval.
- Worked with subsidiary Complete Storage Solutions, managing upkeep of Total Recall Software, a software for storing and organizing proprietary records that cannot be digitized.
- Managed up to 4 large-scale commercial and residential properties simultaneously. Roles included constant communication between quantity surveyor, architecture, on-site project managers and suppliers departments.

RESEARCH

SIMPLE SOUND | CREATOR

December 2019 – May 2020 | Pittsburgh, PA

Created Simple Sound software, a software written in **MAX MSP**, determined to make a music creation software that is more intuitive and easy to use. Simple Sound fits in the space between a digital audio workstation and sampler, and is a different approach to making music. **Prof Annie Hui-Hsin Hsieh** and **Prof Lance LaDuke** assisted my work.

COMPOSING MUSIC WITH PROGRAMMING | AUDIO PROGRAMMER

Nov 2019 – Dec 2019 | Pittsburgh, PA

Studied under Audacity creator **Prof Roger Dannenberg** and **Prof Jesse Stiles**, I created a melody using **Nyquist IDE**, a signal processing software software that uses the XLISP coding language.

DATA SCIENCE WITH MUSIC | RESEARCHER

Sept 2019 – Oct 2019 | Pittsburgh, PA

Created a Python walkthrough that introduces methods in gathering, processing, and interpreting song data. This online notebook walks through the steps for taking in a dataset, converting to several data types, and using numerous libraries to analyze and visualize music preference.

NEURAL NETWORKS FOR MUSIC | RESEARCHER

Mar 2019 – May 2019 | Pittsburgh, PA

Used Light Efficient Network Simulator **LENS** to study Music Playlist Generation, assisted by **Prof David Plaut**. Using numerous neural networks as the primary machine learning model, I manipulated models to glean some insight into generating playlists specified to a user's musical preference.

INTERESTS

When I'm not working on a cool side project or trying to make music, I'm probably hitting a backside 180 at the local skatepark and sipping on a few craft brews. I enjoy novels written by Hemingway and Virginia Woolf when the weather suits.