Will Rinkoff

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Education

Carnegie Mellon University / Pittsburgh PA / August 2019 - Present
Bachelors of Computer Science and Music

Relevant Coursework:

Imperative Computation | Computer Music | Functional Programming | Data Structures and Algorithms | Computer Systems | Enterprise Software Engineering

Experience

Front-end Developer for Penrose (Pittsburgh PA, February-July 2020)

- Designed and implemented programming interfaces for visualization tools
- Implemented transpilation from user's input code to an existing specification
- Developed user documentation

Front-end Developer at Neort.io (Japan (Remote), July-August 2020)

- Familiarized myself with a large codebase quickly with little documentation
- Proposed and deployed a non-trivial website feature in just over a month, the programming of which was largely solo
- Effectively worked with developers across both language and timezone barriers

Audio Processing / Machine Learning Intern at Resonant Cavity (Minneapolis MN, May-August 2019)

- Created tools for deep-learning audio analysis/synthesis inside Python
- Researched and worked with complex vocal-analysis machine learning architectures
- Developed documentation for developed in-house tools

Skills

Programming Languages/Frameworks

Git, Html/CSS, Javascript, Typescript, Vue, Axios, C, Python, Numpy, Tensorflow, Keras, Haskell, Bash

Applications/Environments

Bitwig (digital audio workstation), Max/MSP/Jitter, Godot, Unity, Audacity, Vim, Pro Tools, Microsoft Word/Powerpoint, Adobe Indesign

Other Skills

- 4+ years experience with debuging linux systems (daily personal use and some work with servers)
- 4+ years of experimental livecoding audio production work involving Haskell, Supercollider, and Bitwig
    - including 3+ years of both online and in-person live performances