

JAMES DILLON HALL

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PROFILE

A recent graduate in computer science who is passionate about web development and software engineering. Has strong communication skills and enjoys working with collaborative teams. Excited to begin a career solving new and interesting problems with software.

EDUCATION

Northwestern University

September 2016 - June 2020

Double Major in Computer Science & Radio, TV, Film

GPA: 3.5

Module in Media Arts & Game Design

SKILLS

Programming Languages

Python, C++, C#, Dart, Javascript, HTML, CSS

Tools & Frameworks

Bash, Git, Unity, Three.js, Autodesk Maya

EXPERIENCE

TunePad - TIDAL Lab

June 2020 - September 2020

Software Development Intern

Tunepad.live

- Built a sound design web application with Google Dart and the WebAudio API
- Contributed to a repository of coding education materials for middle and high school students

PROJECTS

Video Synthesizer

June 2019 - Present

Personal Project - Web Application

- Designed and implemented a visual programming language for creating interesting graphics programs that interface with the GPU
- Used HTML, CSS, Javascript and WebGL

RELEVANT COURSEWORK

Introduction to Computer Networking (TA)

Computational Photography

Algorithms & Data Structures

Introduction to AI

The Mathematical Foundations of Computer Science

Introduction to Computer Systems

Linear Algebra

Computer Graphics 1 & 2

EXTRACURRICULAR

WNUR Student Radio

September 2017 - June 2020

Director of Radio Traffic & Jazz Show Director

Northwestern University

- Responsible for the reliability and consistency of the automation system
- Communicate with labels and promoters regarding new releases and Jazz events in the Evanston-Chicago area