

Nikhil Damani

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Education

Georgia Institute of Technology
Computer Engineering (BS) with Computer Science Minor

2018 - 2022 GPA: 3.8 / 4.0

Experience

Founder & Project Manager/Developer | [Musyk](#)

March 2020 – Present <https://musyk.video> Rochester, NY
Musyk is a video conferencing software specifically for musicians to teach, learn, practice, audition, and perform.

- Researched and developed server-side and client-side architectures utilizing webRTC.
- Incorporated API's such as the Web Audio API and MediaRecorder API for enhanced quality and experience.
- Managed a team of 4 programmers and wrote specifications for sprints.
- Designed the appearance and layout of the website with Bootstrap.
- Experimented with the Jack Audio Connection Kit (JACK) and JackTrip for low-latency, high-quality audio over a network.
- Worked on the mobile application using React Native.

Software Development Intern | [WebWAH!, LLC.](#)

May 2020 – Present <https://webwah.com> Rochester, NY
WebWAH!, LLC is a digital marketing and online reputation management company.

- Worked in Agile environment with daily meetings and code submissions.
- Designed, implemented, and deployed a review reputation management software using ASP.NET MVC.
- Integrated software with Google, Facebook, Yelp, and TripAdvisor using their API's and webhooks.
- Identified and resolved network security loopholes.

Software Development Intern | [Eletype, Inc.](#)

January 2020 – May 2020 <https://eletype.com> Atlanta, GA
Eletype, Inc is a marketing and campaign analysis company.

- Developed tests for clients' websites using Node.js and Cypress.io.
- Integrated servers with the Google Pagespeed API to send clients analytics about their websites.
- Learned about and used Git to collaborate with other programmers.

Machine Learning Researcher | [Georgia Tech](#)

August 2019 – December 2019 Atlanta, GA
Agile Digital Communications is a research group at Georgia Tech that optimizes digital signal classification.

- Extracted signal features (cumulants, power, FFT).
- Created neural networks to classify signal modulations (BPSK, QPSK, 16QAM, etc.) using Python.
- Built a custom GNU Radio block which incorporated the neural network.

Languages

Hindi (हिन्दी)
Spanish (español)

Achievements

Dean's List with
Faculty Honors
[Georgia Institute of Technology](#)

New York State
Scholarship for
Academic Excellence
[Pittsford Sutherland High School](#)

Young Artist
Competition Winner
(Guitar)
[Rochester Philharmonic League](#)

Rolf Hallinan Memorial
Violin Scholarship
[Hochstein School of Music](#)

Skills



