

Seeking a Summer/Fall 2020 Software Engineering Full Time Opportunity

LinkedIn: [linkedin.com/in/nevillenzf](https://www.linkedin.com/in/nevillenzf)

GitHub: github.com/nevillenzf

Portfolio: nevillenzf.github.io/home

> LANGUAGES AND TECHNOLOGIES

Proficient: Java, Javascript, HTML5, CSS, Python, React, Redux, C#, Git, Photoshop, Blender

Exposure: React-Native, Fabric.js, Unity3D, d3.js, Flask, Celery, AWS, Swift, SQL, C++, Docker, Tensorflow - Keras

Human Languages: English, Malay, Mandarin, Cantonese (Conversational), French (Conversational)

> EDUCATION

B.S. in Computer Science, *University of Wisconsin-Madison*

May 2020

- Human-Computer Interaction, Artificial Intelligence, Algorithms, Databases, Operating Systems, Software Engineering Principles

> PROFESSIONAL EXPERIENCE

Buildout Inc | Software Engineering Intern | Chicago, IL

June - August 2019

- Implemented **Tensorflow** through the **Keras Python** framework to create an **Image Recognition Machine Learning model** that predicts at a **98% accuracy** with confidence.
- Deployed a **Flask** server in production through **AWS ECS** that hosts the trained model and makes predictions based on received images via **Celery** and **Sidekiq cron jobs**.
- Developed a native Image Editor app within the Buildout app using **Fabric.js**, **React**, and **Ruby on Rails** that live within a **Bootstrap 3** Modal to enable in-app image enhancement.
- Assimilated into a software engineering pipeline of **Amazon Cloud Service**, **Docker**, **Git**, **Agile(Scrum)**.

Wisconsin Computational Intelligence Lab | Front End Developer | Madison, WI

September - December 2019

- Developed a **Graphical User Interface** tool for hardware visualization through **React** and **Fabric.js**.
- Designed and integrated **React Drag & Drop** and **Redux** and deployed the beta application on Heroku.
- Crafted a robust **documentation** of the entire process & application for future further development.

> PROJECT WORK

Cadence | Lead Engineer | github.com/nklabjan/Music-Chatroom

October 2019 - Ongoing

Recreating the experience of togetherness while listening to music.

- Lead a team** of 6 students to create a **shared music chatroom platform**.
- Drafted end-to-end **requirements and specifications** and **design and planning** documents prior to integration.
- Designed and implemented the **overall software architecture** with **Express.js**, **React** and **PostgreSQL**.
- Integrated **Spotify's API** and **Socket.io** to allow for synced music and a live chatroom within the browser.
- Designed and implemented the overall **UI/UX design** of the application with **Bootstrap** and **FontAwesome**.

VisualEyes | Lead Creative Officer | github.com/dannysj/visualeyes

June - August 2018

Delivering Information Interactively through the world of Augmented Reality and Computer Vision.

- Founded a startup that aimed to provide information interactively via an **Augmented Reality** based app.
- Designed the **UI/ UX** of the app and implemented it via **Swift**.

> LEADERSHIP EXPERIENCE & AWARDS

Kennedy-Lugar Scholarship, *United States Department of State*

2014

- Fully-Funded High School Exchange Program** to New York aimed at **bridging the gap between the U.S. & countries with high Muslim populations by educating the American public on Islam**.