

## Seeking a Summer/Fall 2020 Software Engineering Full Time Opportunity

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

**GitHub:** [github.com/nevillenzf](https://github.com/nevillenzf)

**Portfolio:** [nevillenzf.github.io](https://nevillenzf.github.io)

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### >LANGUAGES AND TECHNOLOGIES

**Proficient:** Java, Javascript, HTML5, CSS, Python, React-js, 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)

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### >EDUCATION

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

May 2020

- Human Computer Interaction, Data Structures, Artificial Intelligence, Algorithms, Databases, Operating Systems, Software Engineering
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### >PROFESSIONAL EXPERIENCE

**Buildout Inc | Software Engineering Intern | Chicago, IL, U.S.A.**

June 2019 - August 2019

- Implemented **Tensorflow** through the **Keras Python** framework to create an **Image Recognition Machine Learning model** that had a **98% accuracy** when predicting **98% of the time**.
- Deployed a **Flask** server in production through **AWS ECS** that hosts the trained model & makes predictions based on received images via **Celery** & **Sidekiq cron jobs**.
- Developed a native Image Editor app within the Buildout app using **Fabric js**, **React**, & **Ruby on Rails** that live within a **Bootstrap 3** Modal to allow for in-app image enhancement/ editing.
- Developed a solid understanding of **Amazon Cloud Service**, **Docker**, **Git**, **Agile(Scrum)**.

**Wisconsin Computational Intelligence Lab | Front End Developer | Madison, WI, U.S.A.**

October 2019 - Present

- Developing a **Graphical User Interface** tool for Hardware visualization through **React.js** & **Fabric.js**.
  - Designed & integrated **React DnD** & **Redux** alongside **React.js** & hosted the beta application on Heroku.
  - Crafted a robust **documentation** of the entire process & application for future further development.
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### >PROJECT WORK

**Cadence | Full Stack Engineer | <https://github.com/nklabjan/Music-Chatroom>**

October 2019 - Ongoing

*Software Engineering Project that aims to recreate the togetherness of listening to music.*

- Designed & implemented the **overall software architecture** with **Express.js**, **React.js** & **PostgreSQL**.
- Integrated **Spotify's API** & **Socket.io** to allow for synced music within the browser.
- Designed & implemented the overall **UI/UX design** of the application with **Bootstrap** & **FontAwesome**.

**VisualEyes | Lead Creative Officer | [github.com/dannysj/visualeyes](https://github.com/dannysj/visualeyes)**

June - August 2018

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

- Founded a startup that aimed to provide information interactively via an **Augmented Reality** based app.
  - Designed the **UI/ UX** of the app & implemented the **Front-End Design** through **Swift**.
  - Developed an **Image Recognition System** using **FLANN** that compares incoming client Images with a database of stored images to determine matching Murals.
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### >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**.
- Spent 50+ hours doing volunteer work through presentations to **educate the American public on Islam**.