

HARRISON NGO

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EDUCATION

University at Buffalo, State University at New York
Bachelor of Science in Computer Science/ Minor in Mathematics

May 2019

EMPLOYMENT

University at Buffalo, Undergraduate Teaching Assistant, University at Buffalo
Teaching assistant for a Python/Scala programming course. Duties include answering questions and helping students with understanding the material.

Apr. 2017 - Current

HAKS, I.T Intern, New York, New York
Assisted I.T department with their tasks. Duties included desktop support, excel inventory, and minor programming applications for engineering department.

June 2017 - Aug. 2017

TECHNICAL SKILLS

PROGRAMMING LANGUAGES: Java, Python, C++, Javascript, Scala, HTML

DATABASE LANGUAGES: MySQL, PostgreSQL

TECHNOLOGIES: Django, Flask, React-Native, Electron, Bootstrap

PROGRAMMING LIBRARIES: Scikit Learn, Pandas, NumPy, TensorFlow

LANGUAGES: Cantonese

PROJECTS

Handwritten-Written Digits and Image Analysis (Python, NumPy, Tensorflow) Mar. 2019

- Designed a multilayer perceptron to analyze handwritten digits and hand drawn images for a school project
- Implemented a neural network with forward passing using a sigmoid activation function, back propagation, and error analysis on the network
- Included a regularization term on the network to avoid overfitting

ListenUp (Python, Flask, HTML) Feb. 2019

- Discussion board web app that allows users to post arguments and debate on a certain topic. Used Flask framework.
- Designed home page and discussion boards using HTML and CSS.
- Designed back-end to define posts and user models, forms and routes functionality.
- Used Flask SQLAlchemy as the database to hold custom models.

Weather App (Python, Django, HTML, Javascript) Dec. 2018

- Web app that allows a user to find information about the weather in a desired city. Used Django framework.
- Designed back-end to connect to OpenWeatherAPI to get weather information. Designed forms, models, and views functionality.
- Used MySQL as the database to store recent city searches and it's weather.

Linx (Python, Javascript, HTML, Python Firebase) May 2017

- Co-founder of Linx. Linx is Chrome extension that helps you learn a new language while watching netflix. Project was awards first place at AngelHack.
- Focused on designing front-end using HTML, Javascript, and CSS. Made dashboard, email template, and displaying language onto Netflix subtitles.