HARRISON NGO

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EDUCATION

University at Buffalo, State University at New York   May 2019
Bachelor of Science in Computer Science/ Minor in Mathematics

EMPLOYMENT

University at Buffalo, *Undergraduate Teaching Assistant*, University at Buffalo   Apr. 2017 - May 2019
Teaching assistant for a Python/Scala programming course. Duties include answering questions and helping students with understanding the material.

HAKS, *I.T Intern*, New York, New York   June 2017 - Aug. 2017
Assisted I.T department with their tasks. Duties included troubleshooting desktop problems and finding solutions, desktop support, and excel inventory. Also wrote a javascript program to make custom stamps for engineering department.

TECHNICAL SKILLS

PROGRAMMING LANGUAGES: Java, Python, C++, Javascript, Scala, HTML
DATABASE LANGUAGES: MySQL, PostgreSQL
TECHNOLOGIES: Django, Flask, Electron, Bootstrap
PROGRAMMING LIBRARIES: Scikit Learn, Pandas, NumPy, TensorFlow, React
OS/PLATFORMS: Linux

PROJECTS

ValidCops (Python, Django, HTML, Bootstrap, Selenium)   May 2019
- Django web scraping app that allows a user to enter the name of a shoe and get prices from websites like StockX, Stadium Goods, and Flight Club)
- Used HTML and Bootstrap templates to design front end
- Used Selenium to automate browser simulation to get to StockX, Stadium Goods, and Flight Club, used Python BeautifulSoup to parse the HTML after Selenium gets to desired pages for backend

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, Heroku)   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.
- Deployed on Heroku server

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.