Harrison Ngo

harrison.ngo719@gmail.com ❖ 9176231683 ❖ 3922 58th Street Woodside, NY, 11377 🌐 https://harrisonngo.com ⦿ github.com/NgoHarrison

WORK EXPERIENCE

University of Buffalo   **Apr. 2017 – May 2019**
Undergraduate Teaching Assistant   *Buffalo, NY*
- Teaching assistant for Python/Scala programming course. Material included object oriented programming, functional programming, data structures, algorithms, concurrency, and networking.
- Answered questions about material and assisted in code debugging for homework and semester project. Emphasized test driven development concepts to students for optimal semester project.

HAKS   **June 2017- August 2017**
IT Intern   *New York, NY*
- Assisted IT department with desktop troubleshooting, desktop support and excel inventory.
- Made custom stamps for engineering department using Adobe Acrobat and custom javascript to make documentation approval process faster.

EDUCATION

University at Buffalo   **May 2019**
                                                                                                               Buffalo, NY

BS in Computer Science with minor in Mathematics.

Technical Skills

Programming Languages: Proficient in Java, Python. Familiar with Javascript, HTML, C++, Scala.
Databases: MySQL, PostgresSQL
Technologies: Git, Django, Flask, Electron, Bootstrap
Libraries: React, NumPy, Scikit Learn, Pandas, Tensorflow.
OS/Platforms: MacOS X, Linux, Windows

Projects

JTrack (MongoDB, Flask, Angular, Python, Javascript)   *September 2019*
- Created single page web app that allows me to keep track of all jobs I apply to. Used Angular as the front end framework. Leveraged Python and Flask as back-end/ RESTful API.
- Integrated MongoDB Atlas as database to store data
- Included chrome extension functionality to allow easy addition of new entries into database.

ValidCops (Python, Django, HTML, Bootstrap, Selenium)   *May 2019*
- Django web scrapping app that allows a user to enter the name of a shoe and get prices from websites like StockX, Stadium Goods, and FlightClub.
- Designed front end with HTML and bootstrap templates.
- Used Selenium to automate browser simulation and parsed HTML using Python BeautifulSoup Library.

Handwritten Digit and Image Analysis (Python, NumPy, Tensorflow)   *March 2019*
- Modeled a multilayer perception to analyze handwritten digits and hand drawn images for a school project.
- Implemented a neural network using sigmoid activation function, back progogation, error analysis, and a regularization term on the network to avoid overfitting.

ListenUp (Python, Flask, HTML, Heroku Server)   *Feb 2019*
- Discussion board web app that allows users to post arguments and debate on a certain topic. Completed with Flash and deployed on Heroku Server.
- Composted the front end using pure HTML and CSS.
- Designed back end to define posts and user models, forms and routes functionality, incorporated Flask SQLAlchemy as the database to store all information.

Linx (Python, Javascript, HTML, Python Firebase)   *May 2017*
- Co-founder of Linx. Linx is a Chrome extension that helps you learn a new language while watching Netflix. Project was awarded first place at AngelHack 2017.
- Focused on designing front end using HTML, Javascript, and CSS. Made dashboard, email template, and displaying translated language onto Netflix subtitles using PhantomJS.
- Connected backend to Python Firebase to allow for creating, reading, updating, or deleting user and word information.