SIMON LIU

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EDUCATION

Brooklyn College   Jan 2016 - Current
- Masters of Arts (MA), Computer Science (GPA 3.84)

Stony Brook University   Aug 2010 - May 2014
- Bachelors of Science (BS), Health Sciences (GPA 3.3)
- Concentration: Health Informatics

LearningTree   June 2017
- Introduction to Python

EXPERIENCE

NYC Health and Mental Hygiene   Jan 2017 - Present
Database Analyst
- Developed an intranet web application using a Django back end and a legacy SQL Server
- Developed a responsive & dynamic front end application with bootstrap, AJAX calls and Django's ORM
- Created programs with Python that connected to PubMed's API via their API wrapper and migrated the JSON & XML data to SQL Server.
- Utilize SSIS for ETL tasks required for the SQL Server database
- Created python scripts with pandas, pyodbc and numpy for various textual analysis and ETL tasks.
- Query, generate reports and maintain existing Access DB
- Created stored procedures to import SurveyMonkey's CSV file into SQL Server

NYC Health + Hospital   Jan 2016 - Dec 2016
Desktop Support Analyst
- Install & configure PCs + medical equipment for NYCHHC's EPIC project
- Technical support using Window's suite of tools such as Window's active directory
- Asset management for hardware needing EPIC's software installation/updates.

Enterprise Consulting Solutions/Ciox Health   July 2015 - Dec 2015
Medical Record Field Tech
- Retrieval of medical records from EMR software such as EPIC & MDLand

SKILLS
- Data Analytics   (SAS, Python packages: pandas, pyodbc, numpy, matplotlib)
- Front End Development   (Ajax, Javascript, JQuery, HTML, CSS)
- Back End Development   (Python, Django ORM, C/C++)
- Databases   (SQL Server 2012, Microsoft Access, Postgres)
- Version Control   (Git)
- Operating Systems (Linux, Windows)
- Networking   (TCP/IP, DNS, DHCP)

PROJECTS

Course: Health Information Systems Management   Jan 2014 - May 2014
Position: Database Manager
- Developed and presented a database to track x-ray cassettes and discs
- Constructed a relational database using Microsoft Access with weekly reports
- Instructed by director of radiology at Stony Brook Medical Center