Patrick Connolly

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EDUCATION

Illinois Institute of Technology - Chicago, IL *May 2019*
Bachelor of Science
Major: Computer Science

SKILLS

Languages

- Java
- Python
- C#
- RAML
- SQL
- JSON
- PHP
- XML

Toolings

- Git / Github
- Postman
- TensorFlow
- Anypoint Studio

EXPERIENCE

MuleSoft Developer *September 2019 - Present*
Conflowence - Berkley, IL

- Developed scalable and efficient web based API systems and integrations for clients
- Trained in RAML and Mulesoft's development platforms
- Merged the EPIC databases of two hospitals with over 1 million patients using *Oracle* and *SQL* in *Anypoint Studio*

Event Manager and **Audio / Visual Technician** *May 2017* to *September 2019*
Illinois Institute of Technology

- Responsible for several multi-million dollar facilities, curbside appeal of all buildings and for the delivery of services to a diverse group of clients.
- Directed the use of A/V equipment while ensuring the comfort and safety of all building occupants as event technician.

Computing Chair and **Secretary**
Alpha Sigma Phi Fraternity - Alpha Xi - Illinois Institute of Technology

- Managed and maintained the network of a 4 story building with 100's of connected devices and installed house servers to act as academic resources
- Kept legal documentation of meeting minutes and distributed them to all 60 active chapter members and began development of Chapter website

PROJECTS

Relevance Feedback System - *Python, Natural Language Processing* *January 2019 - May 2019*

- Created a Relevance Feedback system for text searches in a collection of files
- Used Cosine Similarity to study the effect the feedback had on Recall, Precision, and MAP compared to Pseudo Relevance Feedback

News Gateway - Android Application - *Java, Android Studio* *March 2018 - May 2018*

- Created Async tasks and newsapi.org to download news articles to be displayed for user convenience
- Wrote service requests and volley to send requests for the app to preload the data of the articles

Antimatter Interferometer Simulation - Research - *Python, CUDA* *January 2018 - May 2018*

- Collaborated with Undergraduate Students of various engineering majors and physics research professors to design and build a working muonium measuring device
- Used a Tesla K40 Graphics card and it's CUDA cores to decrease a simulated computation from O(n^3) to O(n)
- Rewrote Python code to compute the diffraction of a particle through a double grating output predicted wave diagrams