Derek Tam

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EDUCATION

University of Massachusetts Amherst   Amherst, Massachusetts
Masters of Science: *Computer Science* (Expected 2020)
Carnegie Mellon University   Pittsburgh, PA
Bachelor of Science: *Computer Science*; Additional Major: *Statistics*

- Introduction to Machine Learning
- Modern Regression
- Algorithm Design and Analysis
- Database Application
- Distributed Systems
- Advanced Method for Data Analysis
- Artificial Intelligence
- Data Mining
- Web Applications

EXPERIENCE

Carnegie Mellon University   Pittsburgh, Pennsylvania
Research in Machine Learning and NLP   July 2017 - Present
- Ran state of the art machine learning models in NLP to translate bible in over 150 different languages using OpenNMT
- Predicted sources of error in machine learning models on multiple datasets in python
- Scraped the web and preprocessed data for training models

RoboTutor   Pittsburgh, Pennsylvania
Android Studio Developer for Children Educational App   May 2017 - Present
- Contributed to XPrize finalist that won 1M
- Implemented various basic math activities for children to learn elementary math in Swahili
- Extended reading activities for children to learn synonyms in Swahili

Yogatailor   San Francisco, California
Backend Developer   May 2015 - August 2015
- Set up backend database to handle users with CRUD functionality
- Developed push notification system for global users
- Implemented an API using PHP and hosted it on server

PROJECTS

Scrabble

- Developed multi-player Scrabble game that mimics the real world board game in java

COMPUTING SKILLS

R, Python, MySQL, Java, C