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SUMMARY OF QUALIFICATIONS

- Languages: Java, C++, Python, Javascript, C, and SQL
- Tools: Linux, AWS, CUDA, Oracle Cloud, gdb, React, Pytorch, mininet
- Related course work: computer security, computer network, algorithm, data structure

EDUCATION

University of Washington, Seattle, WA **Expected graduation Date: June 2020**
Bachelor of Science in Computer Science **GPA: 3.8**
Honors and Awards: Annual Dean's List 2017 - 2019

RELATED EXPERIENCE

Data Scientist Intern, Symetra Financial, Bellevue, Washington June 2019 – August 2019

- Transform call center voice to text and then perform sentiment analysis using AWS nlp. Analyze call quality by graphing costumer satisfaction curve using Javascript via React.
- Use gradient boosting tree to help accelerate the underwriting process for the life products by predicting the rate class and giving a score of the incoming policy. The model achieves an accuracy of 60% for a five-class classification. Expect eliminate 20% of lab requests and reduce the underwriting time for these policies from 60 to 90 days to around one week.
- Write an API to parse third party data. Given an attribute code such as TR01 for trade history, it will parse all its sub-attributes from the original txt file to excel or csv.

Software Engineer Intern, Nankai Star Software Company, Jiangsu, China July - August 2018

- Implement the company's first internal search engine by associating and storing each document with a set of key words to disk and implementing a multithreaded Web server.
- Wrote MySQL code to access and save information in the database which stores 7 million people's tax information, such as salary, and sources of income.

Research Assistant, Xlab, UW CSE September 2018- present

- Employ seq2seq to predict each character's emotion and motivation based on their status in the previous sentences in a story. Then generate descriptive phrases. The phrases predicted by the model has a cosine similarity of 0.52 with those made by human annotators.
- Employ CNN to distinguish handwritten characters, which reaches an accuracy of 95%

Research Assistant, Foster School of Business, University of Washington January - August 2018

- Used LSTM to distinguish Trump's attitudes towards the companies in his twitter, in order to analyze the relationship between his attitudes and these companies in the stock market. The model achieved an accuracy of 90% for negative reviews and 80% for positive reviews.

Team Leader, UW Advanced Robotics October 2017 – October 2018

- Used computer vision to enable a robot to distinguish the targets, choose the most suitable target and then launch an attack. With this automatic shooting system, the new robots can fire two times faster than the robots controlled by humans.

OTHER EXPERIENCE

After School Tutor, Hope Eritrean Social Service, Seattle October 2017- December 2017

- Tutor students during after school hours with their schoolwork, such as explaining math problems to them, and doing the reading with them.