# BRANDEN LISK

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## SKILLS AND ABILITIES

- Practical experience with Python and NumPy
- Experience with Keras and Tensorflow Machine Learning libraries
- Working knowledge of VHDL and digital circuit design with FPGAs
- Knowledge of C++
- Experience in Java
- Practical experience in HTML, CSS, JavaScript and TypeScript
- Practical experience with Angular and Bootstrap frameworks
- Working knowledge of Android development with Kotlin
- Practical experience with Git and Perforce version control
- Practical experience with Selenium automation tools and Jira issue tracking

## EDUCATION

**University of Waterloo**
Candidate for B.A.Sc. in Computer Engineering

## ACHIEVEMENTS

- Ranked in top 10% for overall average in first year
- Awarded UW's President's Scholarship of Distinction

## SUMMARY OF QUALIFICATIONS

- Relevant problem solving and technical skills in software development and testing
- Ability to collaborate as a team developed through co-op experiences
- Strong skills in communication and public speaking displayed through company and client demos
- Strong drive to learn demonstrated through independent learning projects

## EXPERIENCE

**Ribbon Communications**

**SOFTWARE DEVELOPER** SEP. 2019 - DEC. 2019

- Developed features as a front-end developer on an Angular application
- Designed application components to integrate into existing user interface
- Reviewed code and advised team on development architecture and best practices

**Connected**

**AUTOMATION DEVELOPER** JAN. 2019 - APR. 2019

- Designed and developed an automated testing suite to verify the quality of the product
- Presented progress for the sprint and demoed development work for client meetings and company demos
- Communicated with the lead developer and project managers to give project updates

## RECENT PROJECTS

**DEEP LEARNING SPECIALIZATION** OCT. 2019 - DEC. 2019

- Completed the deeplearning.ai specialization provided through Coursera
- Implemented course concepts through practical projects:
  - Standard network from scratch with Python and NumPy
  - CNNs with Keras in application to object detection, face recognition and neural style transfer
  - RNNs for language models, machine translation and trigger word detection with Tensorflow and Keras

**PERSONAL WEBSITE** APR. 2019 - MAY 2019

- Designed and built a personal portfolio website showcasing experiences and projects
- Redeveloped website to use Bootstrap framework to incorporate responsive and mobile-first web design

**SPEECH ANALYZER APP** JAN. 2019 - APR. 2019

- Collaborated on a learning-driven development project with a team of six co-ops
- Researched and developed the groundwork for an Android app in Kotlin to help speakers prepare for presentations
- Established the "co-op project" in Connected's co-op program