YONAEL BEKELE

Software Developer

@ yonael@ualberta.ca   https://yonael.netlify.com/   github.com/ybekele   in https://www.linkedin.com/in/yonael-bekele-5b91aa153/

EDUCATION

University of Alberta
Sept 2016 – Dec 2019

BSc in Computing Science

Psychology Minor

WORK EXPERIENCE

Research Assistant | University of Alberta
June 2019 – Present

 Edmonton, AB

itemize

Developing a Chatbot to aid parents with children dealing with neurodevelopmental issues through expert resources.

Team consists of Medical Researchers, Medical Doctors and Experts in the Computer Science Department.

Technologies: Python, Django, Django REST API, MySQL, ReactJS, HTML, CSS, and Javascript.

Software Developer | University of Alberta
January 2019 – May 2019

 Edmonton, AB

Built an Online Interview System for the University of Alberta's Occupational Therapy Department.

By using natural language processing, we were able to ask candidate-specific questions based on their CV.

Technologies: Python, Django, NLTK, MySQL, HTML, CSS

RESEARCH

Research Developer | EDTEKLA Research Group
May 2019 – July 2019

 Edmonton, AB

Primarily doing DevOps by dockerizing existing databases and securely deploying on a server.

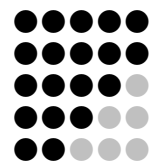Research Topics Included: Natural Language Processing Educational Technologies

Supervised by Dr. Carrie Demmans Epp

COURSEWORK

- Software Engineering and Project Management
- Web-Based Systems
- Data Structures Algorithms
- Database Systems I
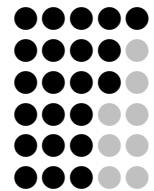- Natural Language Processing (NLP)

LANGUAGES

Python	●●●●●
HTML/CSS	●●●●●
SQL	●●●●○
Javascript	●●●○○
C	●●○○○

TOOLS FRAMEWORKS

Git	●●●●●
Django	●●●●○
REST API	●●●●○
ReactJS	●●●○○
Docker	●●●○○
Natural Language Processing	●●●○○

PROJECTS

Friendzone (2019)
- A Distributed Social Networking Web Application where users are in control of their data.
- Technologies used include: Django, ReactJS, Python, MySQL

Bro-Sessment (2018)
- Aimed to automate the assessment of camaraderie in online classroom discussion forums using Natural Language Processing Tools.
- Used sentiment analysis and latent-semantic analysis to gather data on on/off topic conversation
- Analyzed and processed thousands of post data, and ran statistical analyses
- Technologies used include: Python, NLTK, PostgreSQL, Google Cloud Natural Language