

YUESHUANG (ZOE) ZHANG

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Toronto, ON, Canada

PROJECTS (SOFTWARE)

Application – Convo Insights (Python, JS, HTML, CSS) | University of Toronto – St. George Campus

2020/08 - 2021/04 (In progress)

- Building a web application for the users to analyze the uploaded conversation prerecorded
- Analysis includes **sentiment analysis**, **question answering analysis** and **topic relatedness analysis**.
- Used Google NLP API and React as development support.
- Intuitive application interface and clear analysis.

Model – Mask Detection (Python) | University of Toronto – St. George Campus

2020/09 - 2020/12

- Built a model to detect faces in an image or a video, and determine whether masks were worn
- Used machine learning library Pytorch
- Self-built customized YOLO algorithm for face detection and classification

Application – Owl Map (C++) | University of Toronto – St. George Campus

2018/01 - 2018/04

- Built a map application for route planning
- Used EasyGL to draw all streets and geographic features, etc.
- Constructed vary data structures (map, vector, etc), used algorithm (A*, Dijkstra and k-op, etc.)
- Improved user interface (user-application interaction and application responsiveness improvement)

EDUCATION

Bachelor of Applied Science and Engineering | University of Toronto - St.George Campus

2016/09 - Present

- Bachelor in Computer Engineering (4th year)
- Minor in Engineering Business, certificate in Artificial intelligent
- Related courses: databases, machine learning, computer graphics, algorithms and data structures, etc.

WORK EXPERIENCE

Infrastructure Engineer | BMO Bank of Montreal - Toronto, ON, Canada

2019/05 - 2020/08

- Followed projects with Networking team, Unified Communication team and Operations team
- Analyzed data sets and created reports, and also gave suggestions on actions according to the results
- Optimized process of maintaining reports (automation) and made it more user friendly by writing macros and scripts
- Create, Maintain and deliver analytic report using MS Power BI

Bartender (Business operator) | Monica's bar- Toronto, ON, Canada

2018/06 - 2018/09

- In charge of the whole business's daily operation
- Deal with emergency situations
- Communicate with customers and deliver feedbacks to the business owner

SKILLS

- Programming languages (C, C++, Verilog, Assembly, Python (ML), Visual Basic, Java (in progress))
- MS Power automate, MS Power BI , Spotfire, MS Office
- Network performance monitoring (SevOne, eHealth)

CO-CURRICULAR ACTIVITIES

Volunteer Note-taker | University of Toronto - St.George Campus | 2018/09 – 2018/12

CSSA Public Relation Department| 2019/03 – 2019/12