

Qianqi Yan

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EDUCATION

University of Michigan, Ann Arbor, US

Sep. 2021 - present

B.S.E. Computer Science (Dual Degree) | Minor. Mathematics
Cumulative GPA: 3.96/4.00

Shanghai Jiao Tong University (SJTU), Shanghai, China

Sep. 2019 - present

B.S.E. Electrical and Computer Engineering (Dual Degree)
University of Michigan-Shanghai Jiao Tong University Joint Institute (UM-SJTU JI)
Cumulative GPA: 3.74/4.00

RESEARCH EXPERIENCE

Situated Language and Embodied Dialogue (SLED) Lab

University of Michigan

Advisor: Joyce Chai

Jan. 2022 – present

SLAM Map Construction and Path Planning based on UAV Vision

Shanghai Jiao Tong University

Advisor: Shiqun Li

Sep. 2019 - Oct. 2020

- Design a service robot to be applied in hospital wards which is capable of navigating itself in unknown environment based on SLAM algorithm and provide customized message to patients according to their locations in the ward.
- Design and realize route planning and track deviation correction based on the experimental data from the map constructed by the algorithm. Gain knowledge and experience of image and data processing.

SELECTED PROJECT EXPERIENCE

Gender Debiasing in BERT Model | Python

April. 2022

- Detect and reduce gender bias in LM by appending an extra gender-debiasing layer after the word-embedding generation layer of BERT
- Implement two methods (INLP and GAN) to reduce gender bias in word tokens

Budget Tracker | Java

Nov. 2021

- Build an Android application for keeping track of a budget that allows users to add individual transactions, specifying each transaction's category and to list the individual transactions.

WORK EXPERIENCE

ML Software Engineer Intern – Initium AI

May. 2022 – present

- Suggesting and implementing methods to address people references and improve quality of summarization output
- Deploying pipeline to transcribe recorded sales conversations and summarize them

Grader of EECS370 Intro to Computer Organization – UM

Jan. 2022 – April. 2022

IA of VG101: Intro to Computers and Programming & VE215: Intro to Circuits – UMJI-SJTU

Sep. 2020 - Aug. 2021

RELEVANT SKILLS

Programming Languages: Python, C, C++, Java

Software & Libraries: Git, Bash, LaTeX, MATLAB, Mathematica, Verilog, Multisim, Pspice, Origin

Language Proficiency: Chinese (native), English (proficient, TOEFL: 104)

ACTIVITIES

• **Minister**, JI Student Union Sports & Club Department

Sep. 2018 – Aug. 2020

• **President**, JI Badminton Club

Oct. 2019– Aug. 2020

AWARDS

Silver Medal Winner of the 2020 University Physics Competition, the UPC Committee

Nov. 2020

Undergraduate Excellence Scholarship, UM-SJTU Joint Institute

Nov. 2020