# Tasmiyah (Taz) Qazi

# in linkedin.com/in/tqazi002/

C tgazi002

© cs.ucr.edu/~tgazi002/

### Education

University of California, Riverside

B.S./M.S. Computer Engineering

B.S. GPA: 3.64 (University Honor's Program) - Cum Laude

M.S. GPA: 3.78

August 2015 - December 2019 January 2020 - December 2020

University of Science and Technology of China Summer Camp on Artificial Intelligence

Hefei, China July 2019

Riverside, CA

Yonsei University

Summer Study Abroad Program

Seoul, South Korea Summer 2017

#### Skills

Languages: — (Proficient) C++, C, Python — (Familiar) C#, HTML, CSS, VHDL/Verilog, MATLAB

Technologies: — (Proficient) Git, Linux, Unity3D, Atmel AVR — (Familiar) CUDA, Android Studio, Xilinx ISE

Coursework: Embedded and Real-Time Systems, Machine Learning, Data Mining Techniques, Artificial Intelligence, GPU

Computing, Virtual Reality, Computer Security, High Performance Computing

# Experience

Graduate Teaching Assistant — Senior Design Project in Computer Architecture + Embedded Systems

Riverside, CA Spring 2020

Project Manager overseeing 10 teams' large-scale 10-week projects.

Hosted weekly scrum meetings for teams to gauge progress and advise teams.

Successful transition to virtual instruction using Trello, Slack, Google Team Drive, GitHub, etc.

Software Research Intern under Dr. Frank Vahid, Co-Founder and CTO ZyBooks

Riverside, CA

Data analysis on ZyBooks computer science courses.

June 2018 - January 2019

Wrote Python scripts to analyze student exams and submitted code.

Improved course content based on data and student struggle factors.

# **Projects**

Relational Database + GUI Project — Stock Trading System

December 2021

- Using Python, tkinter and SQLite3 for client/server application.
- Customers/Admins can use GUI for a variety of actions with a custom stock price generator.
- Demo: https://drive.google.com/file/d/1MDg8PCx9ILkMzOPRMUWIsUPT5BHsel2j/view

Embedded Systems Project — "Third Eye" Computer Vision Assistance for the Blind

Spring 2019

- Using Arduino, Raspberry Pi, ultrasonic sensors, camera, and speakers.
- Obstacle detection, OpenCV for facial recognition and audio cues for user.
- Demo: https://www.youtube.com/watch?v=aECvIMQX7KI&t=2s

GPU Project — Dog Breed Classification using TensorFlow and Keras

Spring 2019

- Compare 2 separate convolutional neural networks built with only TensorFlow and only Keras.
- Predict dog breeds using the Stanford Dog Dataset as well as personal dog pictures.
- GitHub: https://github.com/tgazi002/Dog-Breed-Classification

Virtual Reality Project — "Peaceful Gardening" for Oculus Rift

Winter 2019

- Unity3D, C#. Player can move, grab objects to till soil, water plants, time skip, harvest, etc.
- GitHub: https://github.com/tqazi002/Peaceful-Gardening

Embedded Systems Project — Clear LCD Touchscreen "Smart Window" weather informer

Fall 2018

- Using state machines, microcontroller ATMEGA 1284, weather sensors, and vibration sensor.
- Communication Technologies: SPI, I2C, ADC, USART.
- Demo: https://www.youtube.com/watch?v=2G9BozYmUe8&t=61s

#### Involvement

Rose Hack 2019 (Hackathon) — Organizer and Volunteer

October 2018 - January 2019

Organizations: WinC (Women in Computing), ACM (Association for Computing Machinery), Tau Beta Pi

#### Awards and Honors

- Edison STEM Scholarship Fund for 2017-2018 Academic Year
- American Honda Scholarship for 2018-2019 Academic Year
- S.L. Gimbel Foundation Scholarship for 2020-2021 Academic Year

Hobbies: Travelling, Judo, Building Model Kits, Working on my '96 Integra