

Timur Javid

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EDUCATION

University of Illinois at Urbana-Champaign (UIUC)

Master of Computer Science (5 year BS/MCS)

Bachelor of Science in Computer Science

Expected Graduation: May 2022

GPA: 3.90

ENGINEERING SKILLS

●●●●	Java	●●●●	Python	●●●●	C	●●●○	Golang	●●●○	C++	●●●○	JavaScript
●●●○	HTML5/CSS3	●●●○	MySQL	●●○○	C#	●●○○	Haskell	●●○○	Rust	●●○○	MongoDB
●●●●	Software Dev	●●●●	React/Redux	●●●●	NumPy	●●●●	SciPy	●●●●	Git	●●●○	LaTeX
●●○○	Django	●●○○	Arduino	●○○○	FPGA						

ACADEMIC EXPERIENCE

Graduate Research Assistant

May 2021 – Present

Kwiat Quantum Information Group (UIUC)

- Developing a drone-to-drone based quantum communication channel for quantum key distribution (QKD).
- Adapting LDPC codes for QKD error correction and implementing privacy amplification for free-space QKD data.
- Improving drone-to-drone locking performance through embedded systems development, such as integrating a high-performance ADC to interface with a RaspberryPi controller.

Student Researcher

September 2019 - Present

ScribeAR (UIUC)

- Maintaining a codebase for an AR compatible web application providing live captioning services, utilizing Web Speech API and integrating Microsoft Azure captioning in a React/Redux front end.
- Prototyping hardware using Arduino for sound localization to provide users with directionality in a heads-up display.
- Formulating an experiment to gather feedback on effectiveness of AR-based captioning in an academic setting.

PROFESSIONAL EXPERIENCE

Software Development Engineer Intern

May 2020 – August 2020

Amazon Web Services (AWS)

- Spearheaded and prototyped a front-end user interface for an existing command line tool using React/Redux and a Golang backend.
- Led design meetings for the project, gathering and integrating feedback from code reviews and weekly meetings.

EXTRACURRICULARS

Director

August 2019 – May 2021

Midwestern Robotics Design Competition (MRDC)

- Built and maintained the organizational website to provide teams and sponsors with easy access to information.
- Established relationships with other corporations for fundraising and sponsorships.
- Initiated media coverage of the competition to increase promotion and awareness.