Shahwar Saleem

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EDUCATION		
	Master of Science, Computer Engineering	May-2016 - Present
	University of Waterloo	Waterloo, Canada
	Concentration: Computer Software	

- Percentage: 90%
- Supervisor: Dr. Krzysztof Czarnecki

	Bachelor of Science, Computer Engineering	Sep-2009 - June-2013
	University of Engineering and Technology	Lahore, Pakistan

- GPA: 3.48/4.0
- Advisor: Dr. Atif Alvi (Cambridge University)
- Thesis: Load Balancing of Computationally Intensive Algorithms using Beowulf Cluster

TECHNICAL SKILLS

Languages & Software: C, Java, Python, JavaScript, React.js, GraphQL, Bash Scripting, Assembly Language, Nucleus RTOS
Operating Systems: Linux, OS X, Windows
Tools: SVN, Git, JIRA, Asana, Slack, Fisheye Crucible, Planio

EXPERIENCE		
	Software Engineer (Freelancing)	Jan-2017 - Present
	Different Web Development Startups based in San Jose, CA.	Remote

- Working React.js based web application.
- Working on GraphQL based API backend.
- HTML, CSS and SASS with Twitter Bootstrap

	Graduate Research Assistant	May-2016 - Present
	GSD Lab, University of Waterloo	Waterloo, ON

- Working on autonomous car project
- Leading system integration efforts regarding embedded components of the car.
- Working actively with QNX RTOS on embedded boards.

	Software Engineer	Oct-2013 - May-2016
	Mentor Graphics	Lahore, Pakistan

- Worked on Eclipse plug-ins and Eclipse GUI using SWT/JFace & MVC work flow in Java.
- Added support for Kernel Awareness to visualize processes and core occupation on a multi-core architecture. (SMP and AMP)
- Worked on Nucleus RTOS based Board Support Packages (BSPs)
- Developed device drivers like I2C, LCD Display, SPI, Serial for Nucleus RTOS on ARM & PPC Architecture.
- Learned about debugging tools like JLink, BDI and MESP.

GRADUATE PROJECTS

- Autonomous Car Platoon using Fuzzy Logic and Neural Networks
- Multiple-Producer Multiple-Consumer based Shortest Path Solving Server (Dijkstra's Algorithm and System Programming)
- Prediction of Yelp rating based on user text reviews (Natural Language Processing techniques like Stemming, Vectorization, N-Grams)

AWARDS

- Graduate Research Studentship - University of Waterloo - (2016 - 2018)
- International Master's Student Award - University of Waterloo - (2016 - 2018)
- National Talent Scholarship from Government of Pakistan (2009-2013)