Kareem Arab

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itskareem.me

education	**CARLETON UNIVERSITY** Bachelor of Science in Computer Science *Expected graduation: December 2019 / April 2020* **Availability**: *September — December*	*Fall 2015*
work experience	**NEUROVINE** *Software Developer* - Building system that integrates real-time data analysis and cross-platform mobile application - Backend development using Serverless and Flask	*Apr 2019 to present*
	CARLETON UNIVERSITY POSTDOCTORAL UNION *Full-Stack Web Developer* - Developed a website in PHP using Laravel - Built frontend and backend (post/event system w/ dashboard for administrators)	*Winter 2018*
research	**IOT LAB @ CARLETON UNIVERSITY** *Undergraduate Researcher* - R&D of machine learning algorithms for engineering applications - Worked with Feed Forward & Recurrent Neural Networks, Anomaly Detection Digital Signal Processing (DSP), Wireless Sensor Communications & Embedded Systems	*2017 - 2019*
	DIABETES COACH (NSERC—MACADAMIAN—IOT LAB) *Research & Development Intern* *** Joint project between the IoT Lab and Macadamian, funded by NSERC* - Developed the "Diabetes Coach" system, a system that helps improve the lives of type II diabetes patients - Researched, compared and applied several AI techniques and algorithms	*Winter 2018*
publications	**ARTIFICIAL INTELLIGENCE FOR DIABETES MELLITUS TYPE II: FORECASTING AND ANOMALY DETECTION** *Author — IEEE Wireless Communications and Networking Conference*	*2019*
	DATA COMMUNICATION AND ANALYTICS FOR SMART GRID SYSTEMS *Co-author — IEEE International Conference on Communications*	*2018*
achievement(s)	**SHOPIFY — BUILD THINGS APP AWARD** *Selected among six winning apps at Shopify's Build Things App Showcase*	*Nov 2018*
projects	**TRND** - iOS app using the Parse Baas API using MVC Architecture built in XCode	*2017-2018*
	GLANCE - An Operating System task/process manager and visualizer, written in Python.	*Fall 2018*
	More **projects on *github.com/kareemarab*	
languages & frameworks	**PYTHON, SWIFT, C++, GO, JAVA, C, HTML/CSS/JS** **FIREBASE, PARSE, LARAVEL, GRPC, IBM BLUEMIX, TENSORFLOW, SERVERLESS, FLASK**	