Kareem Arab

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kareemarab.com

education	**CARLETON UNIVERSITY** BSc in Computer Science	*Spring 2020*
work experience	**NEUROVINE** *Software Engineer* - Worked on multiple APIs built on AWS Lambda Functions + Serverless - Worked on building a cross-platform mobile apps using Ionic (Angular) framework - Worked with Research & Data Science teams to build real-time data analysis systems - Took on a dynamic role working through the entire stack in a challenging start-up environment	*Apr 2019 to present*
	CARLETON UNIVERSITY POSTDOCTORAL UNION *Full-Stack Web Developer · freelancing* - Developed a website in PHP using Laravel	*Winter 2018*
research	**IOT LAB @ CARLETON UNIVERSITY** *Undergraduate Researcher* - R&D of machine learning algorithms for engineering applications - Worked with Neural Networks, Anomaly Detection, Digital Signal Processing (DSP), Wireless Sensor Communications & Embedded Systems	*2017 - 2019*
	DIABETES COACH (MACADAMIAN—IOT LAB) *Research & Development Intern* - Worked on developing a system that helps improve the lives of type II diabetes patients through technology-aided self-managing techniques	*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** *Winner of the best App award @ 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*
	NEURAL NETWORKS - A collection of different Implementations of NNs (Hopfield, RBF and Convolutional)	*Fall 2018*
	C&W ADVERSARIAL ATTACK - Comparing the effects of Gaussian and Adversarial Perturbations on a CNN	*Fall 2018*
	More **projects on *github.com/kareemarab*	
languages, frameworks and technologies	**PYTHON, SWIFT, JAVASCRIPT/TYPESCRIPT, HTML, (S)CSS/SASS, JAVA TENSORFLOW, SERVERLESS, GIT, CI/CD (GITHUB ACTIONS), IONIC, FIREBASE, AWS LAMBDA, PARSE, NEXTJS/VERCEL, LARAVEL, NOSQL DATABASES — DYNAMODB**	