# VISHWA SHETH

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**Programming:** Java, C++, C#, HTML5/CSS, JavaScript, Python, Visual Basic, MATLAB

**Tools/Frameworks:** Node.js, React.js, Redux, jQuery, Firebase, Nightmare.js, Backbone.js, PostgreSQL, SQL Management Server, Flask, JavaFX, ASK SDK, Bootstrap, Git, Bash, Android Studio, Xcode, Visual Studio

# Experience

### Software Engineering Intern

*IBM*                               *Toronto, ON*                          *Sept  2019 – Dec 2019*

- Developed ICM Cloud Services with **React/Redux** front-end and **C#** back-end in **.NET** environment
- Introduced email notifications and audit logging for skipped scheduled tasks, saving hours of dev and client debugging time

### Software Developer Intern

*Hubdoc*                            *Toronto, ON*                          *Jan 2019 – Apr 2019*

- Developed web-scraping technologies to extract and download financial statements using **Node.js**, **jQuery** and **Nightmare.js**
- Worked on company intranet full-stack to implement data and statistic viewing features for web-scrapers

### Software and Electrical Engineer Intern

*A.U.G. Signals*                    *Toronto, ON*                          *May 2018 – Aug 2018*

- Developed, tested, and released three versions of a **Java** application designed in **JavaFX** to control and automate syringe pumps. Created custom **Pascal** installation scripts for each version.
- Worked closely with the mechatronics engineer to create and deploy a heat control class for the syringe pump app, in **Java**

### Lead Web Developer

*WatLock*                           *Waterloo, ON*                         *Mar 2018 – Feb 2019*

- (watlock.co) Created a website using **HTML**, **CSS**, **JavaScript**, and **Bootstrap** for the WatLock student design team focused on providing information about the team

# Projects

### AlekSecurity

- Developed an Alexa skill for identifying who has arrived at the door and giving prompts based on identity
- Used Microsoft **Azure** for facial recognition, **Firebase** for storing identity IDs and **Node.js** for Alexa skill

### StockPredict

- Developed a **Python** algorithm that predicts the next closing stock value using batch gradient descent and a dataset of the previous 100 closing values

# Education

### Bachelor of Applied Science, Mechatronics Engineering

*University of Waterloo*            *Waterloo, ON*                         *Sept 2017 – Present*

- cGPA: 3.97, Dean's Honours List, Waterloo President's Scholarship