

Tash-had Saqif

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PROFESSIONAL EXPERIENCE

Software Engineer Intern | May 2019 - Present
[Microsoft](#), [Vancouver, BC](#)

Software Developer Intern | May 2018 - Sept 2018
[Ontario Teachers' Pension Plan](#), [Toronto, ON](#)

- **Developed Java (Spring Boot) backend & several AngularJS components for a new app** to allow pension specialists & analysts to view the most relevant data on a members file
- **Overhauled our e-mail app** so the 400+ templates used by Member Services are sent as HTML e-mails instead of plain text, allowing the preservation of important formatting, links
- **Implemented RESTful API endpoints** and wrote corresponding front-end on our pensioner data browsing app to allow users to view/set pension transfers

AWARDS

- 2018 **1st in Manulife New Product Challenge**
Won \$10,000 in funding
- 2017 **Best Use of Amazon Web Services**
Amazon - Harvard (HackHarvard)
- 2017 **Best Android IoT Hack**
Black & Decker - Yale (YHack)
- 2016 **Presidents Scholarship**
University of Toronto
- 2016 **Gold - Web Development (City Wide)**
TDSB Skills Competition
- 2016 **Silver - Web Development (Province Wide)**
Ontario Skills Competition

SOFTWARE SKILLS

Languages and Environments

Java, C, Python, Objective-C, JavaScript, TypeScript, PHP, HTML & CSS, Android, iOS, Shell, Assembly, Verilog

Frameworks and Technologies

Flask, jQuery, JavaFX, Firebase, MongoDB, SQL, Spring Boot, AngularJS, Angular, NodeJS, Cypress, Selenium, ElectronJS

EDUCATION

Computer Science, Cognitive Science (Double Major)
UNIVERSITY OF TORONTO
Hon. Bachelor of Science (Apr. 2020 expected)

PROJECTS

Firearm Detector | t-saqif.com/angel-eye 🔗
[Java](#), [Firebase](#), [Google Maps API](#)

- **Collaborated in a team at HackHarvard 2017**, to create products that **detects firearms in public**
- **Developed a security camera** that sends continuous geo-tagged photos a server that detects firearms & alerts authorities
- **Created an Android app** that takes data from Firebase and **gives geofence-triggered warnings** to people within a 500m radius of "firearm zones"
- **Awarded by Amazon for Best Use of AWS**

Social Jokes App | t-saqif.com/punny-jokes 🔗
[Java](#), [Kinvey](#)

- Built Android app to facilitate network of puns
- **Received over 100,000 downloads** on Google Play and gets **hundreds of daily users**
- Used Kinvey BaaS to handle pun submissions
- Implemented an **incentivized cross-advertising system** to promote my other apps

CourseHub | t-saqif.com/coursehub 🔗
[Python \(Flask\)](#), [TypeScript \(Angular\)](#)

- **Leading a team of six** to build a web-app that selects the best combination of lecture sections, based on user-set courses and preferences
- **Organized weekly Scrum meetings**, implemented an **agile workflow**, made **architecture decisions**

Mancala Server | t-saqif.com/mancala 🔗
[C](#)

- Developed a **server in C** that facilitates a **multi-player board game using sockets**

IoT Hack for Doors | t-saqif.com/door-hero 🔗
[Python \(Flask\)](#), [Java](#)

- Collaborated in team **to create IoT hack that suggests fixes for broken sliding doors**, at Yale (YHack 2017)
- Used Tensorflow to implement model to make predictions about each door
- **Awarded by Black & Decker for Best IoT Hack**