

# Payam Yektamaram

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## Education

### Candidate, Honours Bachelor of Science

September 2018 – Present

University of Toronto Scarborough

Computer Science Co-op Program – Comprehensive Stream, 4<sup>th</sup> year

CGPA: 3.88/4.00

#### Awards:

- UofT Entrance Scholarship (\$2000)
- UofT Deans List

## Certifications

**Focus on Information Technology (FIT)** – Software Design and Development, Issued June 2018

**Focus on Information Technology (FIT)** - Network Systems and Operations, Issued June 2018

**Cisco** It Essentials, Issued June 2018

## Technical Skills

**Languages:** Python 3, Java, JavaScript, C, React, HTML, CSS, SASS, Haskell

**Database Management:** SQL, Postgres, DocumentDB, MongoDB, Neo4J, SQLite

**DevOps:** Docker, Amazon Web Services, Digital Ocean, Rancher Kubernetes Management

**Algorithm Techniques:** Greedy, Divide & Conquer, Dynamic Programming

**Data Structures:** JSON, Queues, Heaps, Trees, Dictionaries, Linked Lists, Graphs

**Tools:** Eclipse IDE, Git, SVN, Maven, Gradle, Dagger 2, Travis CI, UML, Javadoc, Swagger UI, Storybook

## Work Experience

**Systems Developer | MPAC | Jan 2020 – Dec 2020 (12 mos) | Python, Sanic, React, JavaScript, DocumentDB**

- Lead programmer for creation of backend microservice called *Lookup Service* that aimed to streamline business data through the development of a Python async server through Sanic to serve a RESTFUL API
- Lead programmer for creation of frontend interface for *Lookup Service* through JavaScript framework React with Redux as state management
- Wrote and maintained a robust unit testing module for *Lookup Service* with over 300+ tests that covered 93% of the code
- Fully secured both backend and frontend for the *Lookup Service* with proper authentication and authorization through JSON Web Tokens
- Stored and maintained *Lookup Service* user data through AWS documentDB and developed CRUD REST endpoints for clients
- Deployed frontend and backend systems for *Lookup Service* using Docker and orchestrated Kubernetes management on Rancher
- Configured and maintained DNS for containers for dev, qas, uat, and production environments
- Worked on a frontend rapid prototype of a new concept for the future of MPAC's business workflow which was well received by business executives and other teams
- Developed systems using the agile methodology having two-week sprints, daily stand-ups, sprint planning and retrospective meetings

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## Projects

**SupremeCarRentals | May 2019 – Present | Java, SQLite, Maven, Travis C.I, Javadoc, Git**

- Created a car rental application (SupremeCarRentals) that can be used by any car rental company to create rental reservations, store customer information, and create a printable PDF invoice with a complete pricing breakdown

**Remote File Transfer Server | August 2019 | C**

- Created a remote file transfer server over Internet domain stream sockets such that a client could request a file by name from the server, the server will send it (if possible), and then the client would save it

**Food Network Analysis | March 2019 – April 2019 | C, Graphs, Recursion**

- Given a graph of food ingredients and their encoded relationships an application was created that would take an array of food ingredients, known as a recipe, and an ingredient that needed to be omitted from the recipe and find its most suitable replacement

**Twitter Data Analysis | November 2018 - December 2018 | Python 3**

- Given a text file of twitter data a script was created that would first read the data into a dictionary and then could determine the most likely author of an anonymous tweet based on the hashtags that had been used

## Volunteer Experience

### Youth Hub Volunteer

Toronto Public Library, Toronto, Ontario

August 2016 - March 2017

- Assisted Youth Hub attendees aged 10 – 18 years old with school-work by explaining troubling concepts to ensure success in academics
- Coordinated program events aimed at children 8 to 12 years old to increase Youth Hub member participation
- Lead the summer Lego Club program every week for two hours for up to five children aged 8 to 12 years old to improve cognitive and motor skills