

# Vishaal Shah-Chittur

Systems Design Engineering

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## Experience

### Software Development Intern

#### All Blue Solutions Inc

Dallas, TX 2018

- Core backend API and product development for ngDesk
- Wrote diverse service packages with Java, MongoDB, Redis to support Spring Boot application running Apache Kafka
- Created web scraper system with jsoup and db2jcc4 to migrate new client EMR data mass
- Built internal messaging interface with push notifications (AWS) through publish/subscribe model (STOMP.js)
- Generated scripts to automate parsing of IBM external sales CSV's into internal SugarCRM (MariaDB)

### Application Developer

#### Kenna

Mississauga, ON 2016 - 2017

- Full stack development with MS SQL Server and IBM Lotus Notes platform, utilizing Domino Designer IDE
- Worked within several client modules, created and updated various functionalities for tools
- Designed and developed dynamic interfaces for users
- Built backend PDF generation system for client warranties
- Wrote and debugged document queries with LotusScript
- Manipulated SQL data structuring to streamline load times
- Optimized SFTP network using Java (JSch API)
- Coordinated leads during department scrums

### IT Analyst

#### Toronto-Dominion Bank

Toronto, ON 2016

- Parsed data from several TD branches to tabulate Monthly Operational Report metrics for bank retail and email users
- Wrote Python script with Splunk API to search and retrieve cloud data for thousands of TD VM's
- Consulted for visualization techniques in informational reporting and proposal decks
- Automated scheduled spreadsheet processing with Excel VBA and reworked team macros to deliver faster solutions

## Education

University of Waterloo (Class of 2021)

Candidate for Honours Systems Design Engineering (BAsC)

**Awards:** President's Scholarship, Motorola Eng. Scholarship

**Relevant courses:** Computation, Human Factors in Design, Digital Systems, Data Structures and Algorithms

Glenforest Secondary School (2011-2015)

International Baccalaureate Diploma

**Graduating Average:** 95%

## Skills

### Technical

#### Languages & Frameworks

Java, Python, C++, VBA, HTML, CSS, JavaScript, XML/XSP, SQL, PHP, Arduino

#### Creation:

Adobe Photoshop, SolidWorks, Logic Pro X, Flash, iMovie, Microsoft Office Suite

### Personal

- Social & networking
- Communication
- Quick learner
- Leadership
- Strategy & planning
- Analysis

## Projects

### Dream Team Pong

Developed ping pong game using Python and QtGUI interface

### Dicejack

Built Blackjack simulation implementing various hardware configurations with Arduino UNO

### Kōan - Hack The North 2016

Panic attack prevention app built with MUSE Headband SDK, using Python, Firebase, Ruby on Rails, node.js, Twilio API

## Extra curricular and Volunteering

### Leadership Developer (2013-2015)

Peel Students' Presidents Council

- Coordinated activities with hundreds of regional students at overnight leadership conference for holistic development

### Youth Committee Ambassador (2015)

Multiple Sclerosis Society of Canada

- Worked to bring issue and awareness of MS to forefront of youth in community
- Organized event campaigning and design, led sales team

## Activities and Interests

- Lifeguarding (12 years of swim experience & qualifications)
- Drawing and design
- Videography
- Music
- Writing
- Economics
- Powerlifting