

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 to support Spring Boot application running Apache Kafka
- Created web scraper system with jsoup, db2jcc4 to migrate new client EMR data
- Built internal messaging interface with a publish/subscribe model using STOMP.js
- Generated scripts to parse 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